

Question : How old are you?
 Location : TQM3-01 (MT2GAGE)

Country	Sample	Valid N	1.UNDER	2.25-29 %	3.30-39 %	4.40-49 %	5.50-59 %	6.60 OR	Not	Omitted %
			25 %					OLDER %	Adminis tered %	
Armenia	71	70	.	.	10.3	43.7	38.4	7.5	0.0	1.2
Iran, Islamic Rep. of	185	185	.	6.3	49.2	31.4	11.4	1.7	0.0	0.0
Italy	130	129	.	1.8	10.2	42.6	37.8	7.7	0.3	0.0
Lebanon	271	267	.	2.5	13.3	19.6	44.1	20.5	0.9	0.6
Netherlands	118	115	.	2.7	9.9	20.1	53.5	13.7	3.2	0.0
Norway	120	120	.	0.7	7.7	18.9	36.3	36.4	0.0	0.0
Philippines	118	117	9.9	15.4	36.2	24.9	11.3	2.4	0.3	0.0
Russian Federation	166	165	.	0.7	12.9	35.6	35.5	15.3	0.2	0.0
Slovenia	96	95	0.8	2.9	34.2	32.2	29.9	.	0.6	0.0
Sweden	160	145	.	2.4	17.9	22.0	31.2	26.5	2.6	5.4
International Avg.	144	141	5.3	3.9	20.2	29.1	32.9	14.6	0.8	0.7

Question : How old are you?
 Location : TQM3-01 (MT2GAGE)

Country	Sample	Valid N	1.UNDER 25 Mean	2.25-29 Mean	3.30-39 Mean	4.40-49 Mean	5.50-59 Mean	6.60 OR OLDER Mean	Not Adminis tered Mean	Omitted Mean
Armenia	71	70	.	.	443.1	424.8	451.4	358.3	.	506.7
Iran, Islamic Rep. of	185	185	.	475.3	487.1	513.9	505.2	486.1	.	.
Italy	130	129	.	445.1	424.0	444.1	454.6	475.3	573.0	.
Lebanon	271	267	.	575.8	529.8	549.3	539.3	558.3	539.1	538.7
Netherlands	118	115	.	539.8	553.3	553.1	551.4	560.6	539.6	.
Norway	120	120	.	353.9	428.7	431.2	441.5	445.1	.	.
Philippines	118	117	378.5	366.7	351.7	354.3	329.8	368.0	315.6	.
Russian Federation	166	165	.	501.0	560.7	554.6	565.9	566.7	623.5	.
Slovenia	96	95	453.9	499.4	447.6	472.2	451.1	.	335.6	.
Sweden	160	145	.	365.1	423.7	410.4	417.1	416.2	379.6	377.4
International Avg.	144	141	416.2	458.0	465.0	470.8	470.7	470.5	472.3	474.3

Question : Are you female or male?
 Location : TQM3-02 (MT2GSEX)

Country	Sample	Valid N	1.FEMAL E %	2.MALE %	Not Adminis tered %	Omitted %	1.FEMAL E Mean	2.MALE Mean	Not Adminis tered Mean	Omitted Mean
Armenia	71	69	75.6	24.4	0.0	3.9	420.9	467.3	.	447.4
Iran, Islamic Rep. of	185	185	32.9	67.1	0.0	0.0	476.1	506.9	.	.
Italy	130	129	53.6	46.4	0.3	0.0	442.6	455.1	573.0	.
Lebanon	271	268	10.3	89.7	0.3	0.6	544.3	545.0	502.0	538.7
Netherlands	118	115	14.3	85.7	3.2	0.0	552.9	552.9	539.6	.
Norway	120	120	17.9	82.1	0.0	0.0	452.5	436.3	.	.
Philippines	118	117	63.3	36.7	0.3	0.0	350.8	362.8	315.6	.
Russian Federation	166	165	90.1	9.9	0.2	0.0	559.7	571.5	623.5	.
Slovenia	96	95	75.5	24.5	0.6	0.0	455.5	466.3	335.6	.
Sweden	160	145	18.6	81.4	2.6	5.4	408.4	416.9	379.6	377.4
International Avg.	144	141	45.2	54.8	0.8	1.0	466.4	478.1	467.0	454.5

Question : By the end of this school year, how many years will you have been teaching altogether?
 Location : TQM3-03A (MT2GTAUT)

Country	Sample	Valid N	N.A. %	Omit %	Mean	Mode	Min	P5	P10	Q1	Median	Q3	P90	P95	Max
Armenia	71	67	0.0	7.1	25.4	20.0	0.0	8.0	13.0	18.0	25.0	33.0	38.0	45.0	46.0
Iran, Islamic Rep. of	185	184	0.0	0.4	17.3	11.0	2.0	6.0	8.0	11.0	17.0	23.0	29.0	30.0	42.0
Italy	130	129	0.3	0.0	22.3	25.0	1.0	9.0	11.0	17.0	22.0	28.0	34.0	35.0	39.0
Lebanon	271	263	0.3	2.5	27.5	29.0	2.0	8.0	12.0	18.0	30.0	36.0	39.0	41.0	50.0
Netherlands	118	113	3.2	1.6	26.7	35.0	3.0	6.0	10.0	20.0	30.0	35.0	37.0	38.0	41.0
Norway	120	119	0.0	0.3	26.6	30.0	1.0	6.0	10.0	20.0	30.0	34.0	37.0	38.0	44.0
Philippines	118	114	0.3	1.8	14.1	5.0	1.0	3.0	4.0	6.0	13.0	19.0	27.0	30.0	38.0
Russian Federation	166	161	0.2	2.2	26.2	17.0	4.0	12.0	15.0	18.0	25.0	33.0	40.0	46.0	51.0
Slovenia	96	95	0.6	0.0	18.2	15.0	2.0	7.0	7.0	11.0	16.0	26.0	31.0	32.0	35.0
Sweden	160	145	2.6	4.8	21.9	12.0	1.0	4.0	6.0	10.0	22.0	34.0	38.0	40.0	43.0
International Avg.	144	139	0.8	2.1	22.6	19.9	1.7	6.9	9.6	14.9	23.0	30.1	35.0	37.5	42.9

Question : How many years will you have taught mathematics at the advanced level?
 Location : TQM3-03B (MT2MTMAT)

Country	Sample	Valid N	N.A. %	Omit %	Mean	Mode	Min	P5	P10	Q1	Median	Q3	P90	P95	Max
Armenia	71	48	0.0	30.2	13.0	0.0	0.0	0.0	0.0	3.0	10.0	20.0	33.0	36.0	45.0
Iran, Islamic Rep. of	185	182	0.0	1.4	8.9	10.0	1.0	2.0	3.0	6.0	9.0	12.0	13.0	15.0	20.0
Italy	130	129	0.3	0.0	12.2	8.0	0.0	1.0	1.0	7.0	11.0	17.0	22.0	27.0	38.0
Lebanon	271	255	0.3	5.5	24.7	30.0	2.0	6.0	8.0	15.0	28.0	34.0	38.0	40.0	50.0
Netherlands	118	108	3.2	4.4	16.7	8.0	1.0	4.0	5.0	8.0	15.0	26.0	32.0	33.0	36.0
Norway	120	118	0.0	0.7	25.5	30.0	1.0	6.0	8.0	18.0	30.0	33.0	37.0	38.0	40.0
Philippines	118	117	0.3	0.0	5.5	1.0	1.0	1.0	1.0	2.0	4.0	8.0	13.0	16.0	21.0
Russian Federation	166	159	0.2	2.7	12.2	4.0	1.0	2.0	4.0	5.0	10.0	17.0	21.0	30.0	46.0
Slovenia	96	95	0.6	0.0	13.8	15.0	1.0	5.0	7.0	10.0	14.0	15.0	20.0	26.0	32.0
Sweden	160	136	2.6	12.1	9.0	10.0	0.0	1.0	2.0	4.0	9.0	12.0	15.0	20.0	35.0
International Avg.	144	135	0.8	5.7	14.2	11.6	0.8	2.8	3.9	7.8	14.0	19.4	24.4	28.1	36.3

Question : How long do you plan to continue teaching advanced mathematics?
 Location : TQM3-04 (MT2MPCTM)

Country	Sample	Valid N	1.AS LONG AS I CAN %	2.UNTIL BETTER JOB %	3.FOR A WHILE %	4.UNDEC IDED %	Not Adminis tered %	Omitted %	1.AS LONG AS I CAN Mean	2.UNTIL BETTER JOB Mean	3.FOR A WHILE Mean	4.UNDEC IDED Mean	Not Adminis tered Mean	Omitted Mean
Armenia	71	68	86.6	0.9	.	12.5	0.0	5.3	437.8	292.9	.	428.5	.	387.5
Iran, Islamic Rep. of	185	184	83.9	10.0	1.9	4.3	0.0	0.4	493.4	506.9	543.1	519.4	.	495.4
Italy	130	129	84.2	7.9	3.3	4.6	0.3	0.0	452.8	436.6	416.6	410.5	573.0	.
Lebanon	271	264	79.7	11.7	3.3	5.3	0.8	1.3	544.2	538.8	545.3	560.0	575.0	545.0
Netherlands	118	115	92.8	2.3	2.4	2.4	3.2	0.0	552.6	557.3	546.2	566.7	539.6	.
Norway	120	120	79.1	1.4	2.0	17.6	0.0	0.0	441.2	371.6	438.7	435.8	.	.
Philippines	118	117	75.4	16.5	3.4	4.7	0.3	0.0	353.3	345.4	492.7	320.2	315.6	.
Russian Federation	166	165	73.0	1.4	7.7	17.9	0.2	0.0	564.4	553.5	585.6	536.7	623.5	.
Slovenia	96	95	58.5	5.5	1.0	35.1	0.6	0.0	462.3	440.1	524.7	452.1	335.6	.
Sweden	160	141	67.1	3.6	5.6	23.7	2.6	8.1	415.0	381.1	418.3	421.6	379.6	387.5
International Avg.	144	140	78.0	6.1	3.4	12.8	0.8	1.5	471.7	442.4	501.3	465.2	477.4	453.9

Question : What is the highest level of formal education you have completed?
 Location : TQM3-05 (MT2GFEDC)

Country	Sample	Valid N	2.FINIS	3.FINIS	4.FINIS	5.FINIS	6.FINIS	Not Adminis	Omitted	2.FINIS	3.FINIS	4.FINIS	5.FINIS	6.FINIS	Not Adminis	Omitted
			HED <ISCED 3> %	HED <ISCED 4> %	HED <ISCED 5B> %	HED <ISCED 5A, 1ST DEGREE> %	HED <ISCED 5A, 2ND DEGREE> OR HI %			HED <ISCED 3> Mean	HED <ISCED 4> Mean	HED <ISCED 5B> Mean	HED <ISCED 5A, 1ST DEGREE> Mean	HED <ISCED 5A, 2ND DEGREE> Mean		
Armenia	71	69	.	.	.	2.8	97.2	0.0	4.1	.	.	.	417.9	433.2	.	433.9
Iran, Islamic Rep. of	185	185	.	.	.	73.3	26.7	0.0	0.0	.	.	.	493.1	506.8	.	.
Italy	130	129	.	.	.	87.6	12.4	0.3	0.0	.	.	.	447.2	456.5	573.0	.
Lebanon	271	259	.	0.2	4.4	52.0	43.4	1.9	1.9	.	468.6	523.5	543.0	548.1	564.7	551.8
Netherlands	118	114	.	.	.	35.2	64.8	3.2	1.1	.	.	.	554.0	551.9	539.6	571.3
Norway	120	119	0.6	.	.	28.6	70.8	0.0	0.9	414.8	.	.	443.1	438.0	.	431.9
Philippines	118	116	.	.	.	67.6	32.4	0.3	1.3	.	.	.	355.4	351.6	315.6	441.6
Russian Federation	166	165	.	.	.	20.7	79.3	0.2	0.0	.	.	.	559.3	561.3	623.5	.
Slovenia	96	95	.	.	.	.	100.0	0.6	0.0	.	.	.	.	458.1	335.6	.
Sweden	160	143	.	.	0.4	51.8	47.8	2.6	6.5	.	.	359.6	410.3	419.3	379.6	396.6
International Avg.	144	139	0.6	0.2	2.4	46.6	57.5	0.9	1.6	414.8	468.6	441.6	469.3	472.5	475.9	471.2

Question : During your post-secondary education, was mathematics your main area of study?
 Location : TQM3-06A (MT2GPSMA)

Country	Sample	Valid N	1.YES %	2.NO %	Not Adminis- tered %	Omitted %	1.YES Mean	2.NO Mean	Not Adminis- tered Mean	Omitted Mean
Armenia	71	68	96.1	3.9	0.0	10.4	437.8	442.3	.	387.8
Iran, Islamic Rep. of	185	183	84.5	15.5	0.4	0.5	493.9	509.1	685.9	469.6
Italy	130	129	63.8	36.2	0.3	0.0	455.7	435.4	573.0	.
Lebanon	271	264	62.4	37.6	0.3	2.4	547.4	540.7	502.0	545.6
Netherlands	118	114	48.8	51.2	3.2	0.9	552.1	553.9	539.6	535.2
Norway	120	118	98.2	1.8	0.0	1.6	440.4	457.3	.	348.4
Philippines	118	116	65.1	34.9	0.3	0.7	365.2	339.2	315.6	224.1
Russian Federation	166	165	99.7	0.3	0.2	0.0	560.9	553.2	623.5	.
Slovenia	96	95	91.7	8.3	0.6	0.0	460.9	428.0	335.6	.
Sweden	160	142	85.9	14.1	2.6	6.4	418.6	396.7	379.6	380.4
International Avg.	144	139	79.6	20.4	0.8	2.3	473.3	465.6	494.4	413.0

Question : During your post-secondary education, was education-mathematics your main area of study?
 Location : TQM3-06B (MT2GPSEM)

Country	Sample	Valid N	1.YES %	2.NO %	Not Adminis- tered %	Omitted %	1.YES Mean	2.NO Mean	Not Adminis- tered Mean	Omitted Mean
Armenia	71	69	76.9	23.1	0.0	4.1	441.0	405.1	.	433.9
Iran, Islamic Rep. of	185	184	46.1	53.9	0.0	0.3	505.2	489.7	.	477.4
Italy	130	.	.	.	100.0	0.0	.	.	448.8	.
Lebanon	271	264	82.3	17.7	0.3	2.4	546.3	538.2	502.0	545.6
Netherlands	118	114	72.2	27.8	3.2	0.9	555.1	547.7	539.6	535.2
Norway	120	118	6.4	93.6	0.0	1.6	452.6	439.9	.	348.4
Philippines	118	115	71.0	29.0	0.3	1.2	349.9	371.1	315.6	289.4
Russian Federation	166	165	68.2	31.8	0.2	0.0	557.6	567.8	623.5	.
Slovenia	96	95	8.7	91.3	0.6	0.0	415.9	462.2	335.6	.
Sweden	160	142	67.1	32.9	2.6	6.9	413.0	421.8	379.6	378.1
International Avg.	144	141	55.4	44.6	10.7	1.7	470.7	471.5	449.3	429.7

Question : During your post-secondary education, was physics your main area of study?
 Location : TQM3-06C (MT2GPSPH)

Country	Sample	Valid N	1.YES %	2.NO %	Not Adminis- tered %	Omitted %	1.YES Mean	2.NO Mean	Not Adminis- tered Mean	Omitted Mean
Armenia	71	68	23.7	76.3	0.0	10.4	409.2	447.0	.	387.8
Iran, Islamic Rep. of	185	185	1.2	98.8	0.0	0.0	554.6	496.1	.	.
Italy	130	129	29.9	70.1	0.3	0.0	454.5	445.8	573.0	.
Lebanon	271	262	11.8	88.2	0.3	3.0	547.6	544.2	502.0	554.0
Netherlands	118	114	13.0	87.0	3.2	0.9	549.2	553.6	539.6	535.2
Norway	120	117	62.8	37.2	0.0	3.4	444.0	434.1	.	408.7
Philippines	118	116	5.6	94.4	0.3	0.7	372.7	355.1	315.6	224.1
Russian Federation	166	164	15.7	84.3	0.2	0.4	549.3	563.1	623.5	550.2
Slovenia	96	95	3.3	96.7	0.6	0.0	444.4	458.6	335.6	.
Sweden	160	143	70.4	29.6	2.6	5.6	413.5	419.9	379.6	377.8
International Avg.	144	139	23.7	76.3	0.8	2.4	473.9	471.8	467.0	434.0

Question : During your post-secondary education, was education-science your main area of study?
 Location : TQM3-06D (MT2GPSES)

Country	Sample	Valid N	1.YES %	2.NO %	Not Adminis- tered %	Omitted %	1.YES Mean	2.NO Mean	Not Adminis- tered Mean	Omitted Mean
Armenia	71	68	4.4	95.6	0.0	10.4	390.2	440.2	.	387.8
Iran, Islamic Rep. of	185	184	4.9	95.1	0.0	0.5	506.4	496.3	.	495.5
Italy	130	.	.	.	100.0	0.0	.	.	448.8	.
Lebanon	271	261	5.8	94.2	0.3	3.2	547.7	544.3	502.0	556.5
Netherlands	118	114	1.6	98.4	3.2	0.9	580.4	552.6	539.6	535.2
Norway	120	117	1.1	98.9	0.0	3.4	455.8	440.1	.	408.7
Philippines	118	116	3.2	96.8	0.3	0.7	318.0	357.4	315.6	224.1
Russian Federation	166	165	11.8	88.2	0.2	0.0	561.7	560.7	623.5	.
Slovenia	96	95	2.5	97.5	0.6	0.0	436.4	458.7	335.6	.
Sweden	160	138	41.3	58.7	2.6	9.9	425.9	409.8	379.6	384.6
International Avg.	144	140	8.5	91.5	10.7	2.9	469.2	473.4	449.3	427.5

Question : During your post-secondary education, was engineering your main area of study?
 Location : TQM3-06E (MT2GPESEN)

Country	Sample	Valid N	1.YES %	2.NO %	Not Adminis- tered %	Omitted %	1.YES Mean	2.NO Mean	Not Adminis- tered Mean	Omitted Mean
Armenia	71	69	.	100.0	0.0	4.1	.	432.7	.	433.9
Iran, Islamic Rep. of	185	185	8.8	91.2	0.0	0.0	564.5	490.3	.	.
Italy	130	129	4.8	95.2	0.3	0.0	422.0	449.7	573.0	.
Lebanon	271	259	4.3	95.7	0.3	3.7	585.4	542.4	502.0	559.7
Netherlands	118	114	3.8	96.2	3.2	0.9	547.6	553.2	539.6	535.2
Norway	120	116	12.2	87.8	0.0	4.8	436.2	441.4	.	408.3
Philippines	118	116	12.0	88.0	0.3	0.7	366.9	354.7	315.6	224.1
Russian Federation	166	163	12.5	87.5	0.2	1.0	583.8	557.1	623.5	600.1
Slovenia	96	95	2.5	97.5	0.6	0.0	464.0	458.0	335.6	.
Sweden	160	141	13.8	86.2	2.6	6.7	401.3	417.4	379.6	386.1
International Avg.	144	139	8.3	92.5	0.8	2.2	485.7	469.7	467.0	449.6

Question : During your post-secondary education, was education-general your main area of study?
 Location : TQM3-06F (MT2GPSEG)

Country	Sample	Valid N	1.YES %	2.NO %	Not Adminis- tered %	Omitted %	1.YES Mean	2.NO Mean	Not Adminis- tered Mean	Omitted Mean
Armenia	71	68	24.7	75.3	0.0	10.4	415.9	445.3	.	387.8
Iran, Islamic Rep. of	185	185	6.2	93.8	0.0	0.0	475.7	498.2	.	.
Italy	130	.	.	.	100.0	0.0	.	.	448.8	.
Lebanon	271	260	12.0	88.0	0.3	3.5	548.7	543.8	502.0	557.8
Netherlands	118	.	.	.	100.0	0.0	.	.	552.4	.
Norway	120	116	23.8	76.2	0.0	4.8	440.7	440.8	.	408.3
Philippines	118	115	21.5	78.5	0.3	1.1	354.5	356.5	315.6	278.1
Russian Federation	166	164	45.7	54.3	0.2	0.6	553.7	566.1	623.5	631.9
Slovenia	96	95	.	100.0	0.6	0.0	.	458.1	335.6	.
Sweden	160	140	19.8	80.2	2.6	7.5	422.6	413.6	379.6	387.4
International Avg.	144	143	22.0	80.8	20.4	2.8	458.8	465.3	451.1	441.9

Question : During your post-secondary education, was <other> your main area of study?
 Location : TQM3-066 (MT2GPSOT)

Country	Sample	Valid N	1.YES %	2.NO %	Not Adminis- tered %	Omitted %	1.YES Mean	2.NO Mean	Not Adminis- tered Mean	Omitted Mean
Armenia	71	66	13.4	86.6	0.0	13.0	405.0	443.5	.	395.6
Iran, Islamic Rep. of	185	184	5.7	94.3	0.0	0.3	490.1	496.8	.	593.7
Italy	130	129	35.2	64.8	0.3	0.0	435.6	455.3	573.0	.
Lebanon	271	252	11.9	88.1	0.3	6.7	553.8	543.7	502.0	544.0
Netherlands	118	114	18.8	81.2	3.2	0.9	555.8	552.4	539.6	535.2
Norway	120	117	65.1	34.9	0.0	2.0	443.7	435.3	.	366.6
Philippines	118	102	10.9	89.1	0.3	11.5	337.0	355.9	315.6	366.0
Russian Federation	166	165	12.0	88.0	0.2	0.0	567.5	560.0	623.5	.
Slovenia	96	95	0.6	99.4	0.6	0.0	396.8	458.5	335.6	.
Sweden	160	136	18.7	81.3	2.6	9.3	412.3	416.8	379.6	387.0
International Avg.	144	136	19.2	80.8	0.8	4.4	459.8	471.8	467.0	455.4

Question : Do you have a teaching license or certificate?
 Location : TQM3-07 (MT2GTLCE)

Country	Sample	Valid N	1.YES %	2.NO %	Not Adminis- tered %	Omitted %	1.YES Mean	2.NO Mean	Not Adminis- tered Mean	Omitted Mean
Armenia	71	70	90.9	9.1	0.0	1.2	435.5	395.0	.	506.7
Iran, Islamic Rep. of	185	185	99.8	0.2	0.0	0.0	496.9	442.2	.	.
Italy	130	129	100.0	.	0.3	0.0	448.4	.	573.0	.
Lebanon	271	261	94.7	5.3	0.3	3.5	544.1	551.5	502.0	555.5
Netherlands	118	.	.	.	100.0	0.0	.	.	552.4	.
Norway	120	119	92.6	7.4	0.0	1.9	439.0	437.3	.	459.2
Philippines	118	117	100.0	.	0.3	0.0	355.2	.	315.6	.
Russian Federation	166	165	87.5	12.5	0.2	0.0	556.3	592.8	623.5	.
Slovenia	96	95	98.0	2.0	0.6	0.0	459.5	393.2	335.6	.
Sweden	160	.	.	.	100.0	0.0	.	.	412.3	.
International Avg.	144	143	95.4	6.1	20.2	0.7	466.9	468.7	473.5	507.1

Question : How well prepared do you feel you are to teach complex numbers?
 Location : TQM3-08AA (MT2MTT01)

Country	Sample	Valid N	1.VERY WELL PREPARE D %	2.SOMEW HAT PREPARE D %	3.NOT WELL PREPARE D %	Not Adminis tered %	Omitted %	1.VERY WELL PREPARE D Mean	2.SOMEW HAT PREPARE D Mean	3.NOT WELL PREPARE D Mean	Not Adminis tered Mean	Omitted Mean
Armenia	71	69	40.5	46.7	12.8	0.0	5.2	448.9	426.5	406.8	.	428.2
Iran, Islamic Rep. of	185	182	47.2	37.2	15.7	0.0	2.2	498.6	499.7	485.6	.	487.1
Italy	130	129	54.0	46.0	.	0.3	0.0	455.7	439.8	.	573.0	.
Lebanon	271	267	97.9	1.3	0.8	0.3	0.4	545.0	539.5	524.3	502.0	573.6
Netherlands	118	115	60.7	37.2	2.0	3.2	0.0	553.3	554.0	518.4	539.6	.
Norway	120	118	56.5	37.0	6.5	0.4	0.5	438.7	440.5	441.4	431.1	390.6
Philippines	118	115	82.2	17.0	0.8	0.3	1.5	352.3	361.0	458.1	315.6	395.1
Russian Federation	166	.	.	.	.	100.0	0.0	.	.	.	561.0	.
Slovenia	96	93	93.6	6.4	.	0.6	2.9	458.3	437.1	.	335.6	497.0
Sweden	160	144	80.0	19.0	1.0	2.6	5.4	415.7	415.1	378.8	379.6	378.5
International Avg.	144	137	68.1	27.6	5.6	10.8	1.8	463.0	457.0	459.1	454.7	450.0

Question : How well prepared do you feel you are to teach series?
 Location : TQM3-08AB (MT2MTT02)

Country	Sample	Valid N	1.VERY WELL PREPARE D %	2.SOMEW HAT PREPARE D %	3.NOT WELL PREPARE D %	Not Adminis tered %	Omitted %	1.VERY WELL PREPARE D Mean	2.SOMEW HAT PREPARE D Mean	3.NOT WELL PREPARE D Mean	Not Adminis tered Mean	Omitted Mean
Armenia	71	71	94.4	2.8	2.9	0.0	0.0	434.6	403.3	402.5	.	.
Iran, Islamic Rep. of	185	184	81.5	15.0	3.5	0.0	1.1	498.3	497.9	478.1	.	423.5
Italy	130	129	39.3	53.9	6.8	0.3	0.0	452.6	437.9	507.6	573.0	.
Lebanon	271	265	91.9	6.3	1.8	1.1	0.4	546.2	533.0	519.9	519.6	573.6
Netherlands	118	115	82.5	17.5	.	3.2	0.0	551.5	559.5	.	539.6	.
Norway	120	120	98.9	1.1	.	0.0	0.0	439.6	409.2	.	.	.
Philippines	118	115	56.9	41.0	2.1	0.3	1.5	354.5	355.9	332.2	315.6	395.1
Russian Federation	166	.	.	.	.	100.0	0.0	.	.	.	561.0	.
Slovenia	96	93	88.6	11.4	.	0.6	2.9	461.2	424.1	.	335.6	497.0
Sweden	160	143	64.8	33.2	2.0	2.6	6.1	416.6	414.7	408.8	379.6	374.5
International Avg.	144	137	77.6	20.3	3.2	10.8	1.2	461.7	448.4	441.5	460.6	452.8

Question : How well prepared do you feel you are to teach probability?
 Location : TQM3-08AC (MT2MTT03)

Country	Sample	Valid N	1.VERY WELL PREPARE D %	2.SOMEW HAT PREPARE D %	3.NOT WELL PREPARE D %	Not Adminis tered %	Omitted %	1.VERY WELL PREPARE D Mean	2.SOMEW HAT PREPARE D Mean	3.NOT WELL PREPARE D Mean	Not Adminis tered Mean	Omitted Mean
Armenia	71	70	61.9	35.2	2.9	0.0	2.6	455.4	396.5	402.5	.	419.7
Iran, Islamic Rep. of	185	180	79.8	17.9	2.3	0.0	3.1	497.2	500.0	516.2	.	453.9
Italy	130	129	24.5	74.0	1.5	0.3	0.0	470.8	442.8	357.1	573.0	.
Lebanon	271	266	94.6	4.9	0.5	0.3	0.8	544.7	548.3	514.3	502.0	566.6
Netherlands	118	115	73.9	26.1	.	3.2	0.0	553.1	552.3	.	539.6	.
Norway	120	120	75.7	24.3	.	0.0	0.0	439.3	439.0	.	.	.
Philippines	118	115	46.8	48.0	5.1	0.3	1.5	363.5	344.3	370.4	315.6	395.1
Russian Federation	166	.	.	.	.	100.0	0.0	.	.	.	561.0	.
Slovenia	96	93	52.4	45.1	2.5	0.6	2.9	457.0	458.9	419.5	335.6	497.0
Sweden	160	144	44.2	50.4	5.4	2.6	5.4	413.4	422.2	365.2	379.6	378.5
International Avg.	144	137	61.5	36.2	2.9	10.7	1.6	466.0	456.1	420.7	458.1	451.8

Question : How well prepared do you feel you are to teach equations and inequations?

Location : TQM3-08AD (MT2MTT04)

Country	Sample	Valid N	1.VERY WELL PREPARE D %	2.SOMEW HAT PREPARE D %	3.NOT WELL PREPARE D %	Not Adminis tered %	Omitted %	1.VERY WELL PREPARE D Mean	2.SOMEW HAT PREPARE D Mean	3.NOT WELL PREPARE D Mean	Not Adminis tered Mean	Omitted Mean
Armenia	71	71	94.2	2.9	2.9	0.0	0.0	433.2	449.8	402.5	.	.
Iran, Islamic Rep. of	185	182	96.1	3.5	0.4	0.0	2.1	497.1	492.3	653.6	.	457.9
Italy	130	129	86.7	12.4	0.9	0.3	0.0	453.7	412.5	435.0	573.0	.
Lebanon	271	267	96.4	2.5	1.1	0.3	0.4	545.7	515.9	527.8	502.0	573.6
Netherlands	118	115	98.2	1.8	.	3.2	0.0	553.0	548.1	.	539.6	.
Norway	120	119	100.0	.	.	0.0	0.2	439.0	.	.	.	536.6
Philippines	118	115	91.3	8.7	.	0.3	1.5	350.6	396.7	.	315.6	395.1
Russian Federation	166	.	.	.	.	100.0	0.0	.	.	.	561.0	.
Slovenia	96	93	96.0	4.0	.	0.6	2.9	457.2	451.1	.	335.6	497.0
Sweden	160	144	96.4	3.6	.	2.6	5.4	416.7	375.2	.	379.6	378.5
International Avg.	144	137	95.0	4.9	1.3	10.7	1.3	460.7	455.2	504.7	458.1	473.1

Question : How well prepared do you feel you are to teach equivalent representations of functions?
 Location : TQM3-08AE (MT2MTT05)

Country	Sample	Valid N	1.VERY WELL PREPARE D %	2.SOMEW HAT PREPARE D %	3.NOT WELL PREPARE D %	Not Adminis tered %	Omitted %	1.VERY WELL PREPARE D Mean	2.SOMEW HAT PREPARE D Mean	3.NOT WELL PREPARE D Mean	Not Adminis tered Mean	Omitted Mean
Armenia	71	71	78.2	18.9	2.9	0.0	0.0	443.9	391.3	402.5	.	.
Iran, Islamic Rep. of	185	182	96.7	2.5	0.8	0.0	2.4	496.7	523.6	579.6	.	444.8
Italy	130	129	63.3	36.4	0.4	0.3	0.0	453.7	438.3	528.6	573.0	.
Lebanon	271	265	94.5	4.1	1.5	0.3	1.1	545.3	548.7	524.3	502.0	520.1
Netherlands	118	115	89.0	11.0	.	3.2	0.0	553.8	545.5	.	539.6	.
Norway	120	120	93.7	5.1	1.2	0.0	0.0	438.4	443.0	494.0	.	.
Philippines	118	115	94.1	5.9	.	0.3	1.5	352.1	395.9	.	315.6	395.1
Russian Federation	166	.	.	.	.	100.0	0.0	.	.	.	561.0	.
Slovenia	96	93	88.6	11.4	.	0.6	2.9	456.7	458.9	.	335.6	497.0
Sweden	160	144	84.9	14.0	1.1	2.6	5.4	417.5	403.2	396.0	379.6	378.5
International Avg.	144	137	87.0	12.1	1.3	10.7	1.3	462.0	460.9	487.5	458.1	447.1

Question : How well prepared do you feel you are to teach values of functions?
 Location : TQM3-08AF (MT2MTT06)

Country	Sample	Valid N	1.VERY WELL PREPARE D %	2.SOMEW HAT PREPARE D %	3.NOT WELL PREPARE D %	Not Adminis tered %	Omitted %	1.VERY WELL PREPARE D Mean	2.SOMEW HAT PREPARE D Mean	3.NOT WELL PREPARE D Mean	Not Adminis tered Mean	Omitted Mean
Armenia	71	71	82.9	14.3	2.9	0.0	0.0	439.0	402.6	402.5	.	.
Iran, Islamic Rep. of	185	183	96.4	3.2	0.4	0.0	1.6	496.3	502.6	653.6	.	470.7
Italy	130	129	78.7	20.0	1.3	0.3	0.0	454.5	426.0	422.6	573.0	.
Lebanon	271	265	96.6	2.5	0.9	0.3	1.1	544.9	533.6	528.1	502.0	582.5
Netherlands	118	114	97.3	2.7	.	3.2	0.5	552.6	552.8	.	539.6	598.7
Norway	120	120	100.0	.	.	0.0	0.0	439.2	.	.	.	.
Philippines	118	114	87.2	12.8	.	0.3	2.0	356.9	337.7	.	315.6	392.6
Russian Federation	166	.	.	.	.	100.0	0.0	.	.	.	561.0	.
Slovenia	96	93	96.1	3.9	.	0.6	2.9	457.4	445.8	.	335.6	497.0
Sweden	160	142	91.7	8.0	0.3	2.6	6.4	416.8	406.8	347.5	379.6	376.8
International Avg.	144	137	91.9	8.4	1.2	10.7	1.4	462.0	451.0	470.8	458.1	486.4

Question : How well prepared do you feel you are to teach limits of functions?
 Location : TQM3-08BA (MT2MTT07)

Country	Sample	Valid N	1.VERY WELL PREPARE D %	2.SOMEW HAT PREPARE D %	3.NOT WELL PREPARE D %	Not Adminis tered %	Omitted %	1.VERY WELL PREPARE D Mean	2.SOMEW HAT PREPARE D Mean	3.NOT WELL PREPARE D Mean	Not Adminis tered Mean	Omitted Mean
Armenia	71	70	91.4	5.6	3.0	0.0	6.3	441.5	397.1	402.5	.	358.2
Iran, Islamic Rep. of	185	184	97.1	2.5	0.4	0.0	1.1	496.3	520.8	653.6	.	423.5
Italy	130	129	86.3	12.7	0.9	0.3	0.0	455.3	402.6	435.0	573.0	.
Lebanon	271	268	97.5	2.0	0.5	0.3	0.2	544.8	552.6	514.3	502.0	601.5
Netherlands	118	115	82.5	17.5	.	3.2	0.0	551.6	558.7	.	539.6	.
Norway	120	120	95.5	4.5	.	0.0	0.0	437.7	470.8	.	.	.
Philippines	118	117	66.0	31.5	2.5	0.3	0.0	373.1	324.7	267.9	315.6	.
Russian Federation	166	.	.	.	.	100.0	0.0	.	.	.	561.0	.
Slovenia	96	92	73.3	25.8	0.9	0.6	5.3	459.8	455.8	360.3	335.6	462.3
Sweden	160	144	68.6	28.4	3.0	2.6	5.4	416.7	414.6	388.8	379.6	378.5
International Avg.	144	138	84.2	14.5	1.6	10.7	1.8	464.1	455.3	431.8	458.1	444.8

Question : How well prepared do you feel you are to teach differentiation of functions?
 Location : TQM3-08BB (MT2MTT08)

Country	Sample	Valid N	1.VERY WELL PREPARE D %	2.SOMEW HAT PREPARE D %	3.NOT WELL PREPARE D %	Not Adminis tered %	Omitted %	1.VERY WELL PREPARE D Mean	2.SOMEW HAT PREPARE D Mean	3.NOT WELL PREPARE D Mean	Not Adminis tered Mean	Omitted Mean
Armenia	71	71	95.8	1.4	2.9	0.0	0.0	434.4	386.0	402.5	.	.
Iran, Islamic Rep. of	185	183	99.0	0.5	0.4	0.0	1.4	497.0	491.4	653.6	.	434.7
Italy	130	129	84.2	14.9	0.9	0.3	0.0	454.6	414.2	435.0	573.0	.
Lebanon	271	268	97.5	1.7	0.7	0.3	0.2	545.2	527.6	529.3	502.0	601.5
Netherlands	118	115	98.2	1.8	.	3.2	0.0	553.0	548.1	.	539.6	.
Norway	120	120	100.0	.	.	0.0	0.0	439.2	.	.	.	.
Philippines	118	117	56.9	38.4	4.6	0.3	0.0	359.7	351.1	334.5	315.6	.
Russian Federation	166	.	.	.	.	100.0	0.0	.	.	.	561.0	.
Slovenia	96	93	95.5	4.5	.	0.6	2.9	457.3	448.7	.	335.6	497.0
Sweden	160	144	96.8	3.2	.	2.6	5.4	416.1	389.7	.	379.6	378.5
International Avg.	144	138	91.6	8.3	1.9	10.7	1.0	461.8	444.6	471.0	458.1	477.9

Question : How well prepared do you feel you are to teach derivatives?
 Location : TQM3-08BC (MT2MTT09)

Country	Sample	Valid N	1.VERY WELL PREPARE D %	2.SOMEW HAT PREPARE D %	3.NOT WELL PREPARE D %	Not Adminis tered %	Omitted %	1.VERY WELL PREPARE D Mean	2.SOMEW HAT PREPARE D Mean	3.NOT WELL PREPARE D Mean	Not Adminis tered Mean	Omitted Mean
Armenia	71	69	51.8	35.2	13.0	0.0	2.8	433.4	439.1	410.9	.	443.0
Iran, Islamic Rep. of	185	184	87.8	11.4	0.8	0.0	1.1	499.5	478.1	567.1	.	423.5
Italy	130	129	57.1	40.6	2.3	0.3	0.0	470.8	415.9	465.4	573.0	.
Lebanon	271	263	70.3	25.3	4.4	0.3	1.9	545.5	543.7	531.9	502.0	568.2
Netherlands	118	115	88.8	10.7	0.5	3.2	0.0	552.3	558.4	542.0	539.6	.
Norway	120	120	97.5	2.5	.	0.0	0.0	438.8	454.3	.	.	.
Philippines	118	117	34.4	49.5	16.2	0.3	0.0	394.9	339.4	319.2	315.6	.
Russian Federation	166	.	.	.	.	100.0	0.0	.	.	.	561.0	.
Slovenia	96	92	43.1	49.7	7.2	0.6	5.3	463.5	455.0	444.5	335.6	462.3
Sweden	160	144	92.7	7.3	.	2.6	5.4	416.1	404.5	.	379.6	378.5
International Avg.	144	137	69.3	25.8	6.3	10.7	1.7	468.3	454.3	468.7	458.1	455.1

Question : How well prepared do you feel you are to teach first and second derivatives?
 Location : TQM3-08BD (MT2MTT10)

Country	Sample	Valid N	1.VERY WELL PREPARE D %	2.SOMEW HAT PREPARE D %	3.NOT WELL PREPARE D %	Not Adminis tered %	Omitted %	1.VERY WELL PREPARE D Mean	2.SOMEW HAT PREPARE D Mean	3.NOT WELL PREPARE D Mean	Not Adminis tered Mean	Omitted Mean
Armenia	71	70	51.0	35.5	13.4	0.0	2.6	442.9	426.9	412.5	.	419.7
Iran, Islamic Rep. of	185	183	99.6	.	0.4	0.0	1.4	497.0	.	653.6	.	434.7
Italy	130	129	77.8	21.3	0.9	0.3	0.0	453.0	432.1	435.0	573.0	.
Lebanon	271	266	97.4	1.7	0.9	0.3	0.7	544.4	581.2	518.1	502.0	560.1
Netherlands	118	115	98.2	1.8	.	3.2	0.0	553.0	548.1	.	539.6	.
Norway	120	120	100.0	.	.	0.0	0.0	439.2	.	.	.	.
Philippines	118	116	51.6	35.6	12.8	0.3	1.2	388.1	316.4	331.6	315.6	348.8
Russian Federation	166	.	.	.	.	100.0	0.0	.	.	.	561.0	.
Slovenia	96	93	94.9	5.1	.	0.6	2.9	457.3	449.9	.	335.6	497.0
Sweden	160	144	98.1	1.9	.	2.6	5.4	416.0	376.8	.	379.6	378.5
International Avg.	144	137	85.4	14.7	5.7	10.7	1.4	465.7	447.4	470.2	458.1	439.8

Question : How well prepared do you feel you are to teach integrating functions?
 Location : TQM3-08BE (MT2MTT11)

Country	Sample	Valid N	1.VERY WELL PREPARE D %	2.SOMEW HAT PREPARE D %	3.NOT WELL PREPARE D %	Not Adminis tered %	Omitted %	1.VERY WELL PREPARE D Mean	2.SOMEW HAT PREPARE D Mean	3.NOT WELL PREPARE D Mean	Not Adminis tered Mean	Omitted Mean
Armenia	71	67	35.8	46.0	18.2	0.0	9.0	423.6	432.2	453.3	.	430.9
Iran, Islamic Rep. of	185	183	92.8	6.4	0.8	0.0	1.4	499.5	454.8	614.3	.	441.5
Italy	130	129	79.2	19.9	0.9	0.3	0.0	455.1	422.1	435.0	573.0	.
Lebanon	271	268	97.8	1.8	0.4	0.3	0.2	545.2	535.4	478.6	502.0	601.5
Netherlands	118	115	91.9	8.1	.	3.2	0.0	552.9	552.6	.	539.6	.
Norway	120	119	99.8	0.2	.	0.0	1.0	438.8	431.3	.	.	485.4
Philippines	118	115	46.8	34.3	18.9	0.3	1.2	366.1	360.5	317.9	315.6	370.7
Russian Federation	166	.	.	.	.	100.0	0.0	.	.	.	561.0	.
Slovenia	96	93	89.3	10.7	.	0.6	2.9	458.2	446.3	.	335.6	497.0
Sweden	160	144	94.6	5.4	.	2.6	5.4	417.2	380.9	.	379.6	378.5
International Avg.	144	137	80.9	14.8	7.8	10.7	2.1	461.8	446.2	459.8	458.1	457.9

Question : How well prepared do you feel you are to teach properties of geometric figures?

Location : TQM3-08CA (MT2MTT12)

Country	Sample	Valid N	1.VERY WELL PREPARE D %	2.SOMEW HAT PREPARE D %	3.NOT WELL PREPARE D %	Not Adminis tered %	Omitted %	1.VERY WELL PREPARE D Mean	2.SOMEW HAT PREPARE D Mean	3.NOT WELL PREPARE D Mean	Not Adminis tered Mean	Omitted Mean
Armenia	71	70	91.3	4.2	4.5	0.0	2.6	434.8	412.0	420.3	.	419.7
Iran, Islamic Rep. of	185	184	62.3	25.7	12.0	0.0	1.1	495.3	495.9	512.8	.	423.5
Italy	130	129	48.9	46.6	4.5	0.3	0.0	450.5	438.8	525.4	573.0	.
Lebanon	271	266	97.9	1.6	0.5	0.3	0.8	544.5	584.7	490.0	502.0	544.1
Netherlands	118	115	71.0	27.3	1.7	3.2	0.0	551.3	558.3	532.1	539.6	.
Norway	120	120	71.1	27.3	1.6	0.0	0.0	440.0	438.7	414.2	.	.
Philippines	118	115	41.8	46.5	11.7	0.3	1.5	354.2	351.4	369.4	315.6	395.1
Russian Federation	166	.	.	.	.	100.0	0.0	.	.	.	561.0	.
Slovenia	96	93	59.3	40.7	.	0.6	2.9	455.0	459.8	.	335.6	497.0
Sweden	160	143	63.2	33.1	3.7	2.6	6.5	416.2	413.0	411.2	379.6	388.3
International Avg.	144	137	67.4	28.1	5.0	10.7	1.5	460.2	461.4	459.4	458.1	444.6

Question : How well prepared do you feel you are to teach gradients?

Location : TQM3-08CB (MT2MTT13)

Country	Sample	Valid N	1.VERY WELL PREPARE D %	2.SOMEW HAT PREPARE D %	3.NOT WELL PREPARE D %	Not Adminis tered %	Omitted %	1.VERY WELL PREPARE D Mean	2.SOMEW HAT PREPARE D Mean	3.NOT WELL PREPARE D Mean	Not Adminis tered Mean	Omitted Mean
Armenia	71	70	84.8	11.4	3.8	0.0	2.6	442.6	373.7	401.2	.	419.7
Iran, Islamic Rep. of	185	184	90.7	7.3	2.0	0.0	1.1	497.0	502.6	505.1	.	423.5
Italy	130	129	70.2	27.7	2.1	0.3	0.0	452.6	436.7	460.6	573.0	.
Lebanon	271	267	97.7	1.1	1.2	0.3	0.5	544.3	599.2	527.1	502.0	572.6
Netherlands	118	115	80.0	20.0	.	3.2	0.0	553.4	550.8	.	539.6	.
Norway	120	120	100.0	.	.	0.0	0.0	439.2	.	.	.	.
Philippines	118	115	86.6	12.6	0.8	0.3	1.5	356.3	344.9	322.6	315.6	395.1
Russian Federation	166	.	.	.	.	100.0	0.0	.	.	.	561.0	.
Slovenia	96	93	98.9	1.1	.	0.6	2.9	457.6	395.7	.	335.6	497.0
Sweden	160	143	95.3	4.7	.	2.6	5.6	415.0	422.4	.	379.6	378.3
International Avg.	144	137	89.3	10.7	2.0	10.7	1.4	462.0	453.2	443.3	458.1	447.7

Question : How well prepared do you feel you are to teach equations and properties of circles in the Cartesian plane?
 Location : TQM3-08CC (MT2MTT14)

Country	Sample	Valid N	1.VERY WELL PREPARE D %	2.SOMEW HAT PREPARE D %	3.NOT WELL PREPARE D %	Not Adminis tered %	Omitted %	1.VERY WELL PREPARE D Mean	2.SOMEW HAT PREPARE D Mean	3.NOT WELL PREPARE D Mean	Not Adminis tered Mean	Omitted Mean
Armenia	71	70	84.8	12.2	2.9	0.0	2.6	432.0	448.7	402.5	.	419.7
Iran, Islamic Rep. of	185	184	91.6	6.4	2.0	0.0	1.1	494.7	534.9	510.5	.	423.5
Italy	130	129	82.2	16.9	0.9	0.3	0.0	453.7	423.5	435.0	573.0	.
Lebanon	271	266	97.8	1.3	0.9	0.3	0.7	545.0	536.0	528.7	502.0	564.3
Netherlands	118	115	78.7	19.7	1.7	3.2	0.0	552.4	556.1	539.0	539.6	.
Norway	120	120	98.6	1.4	.	0.0	0.0	439.3	432.1	.	.	.
Philippines	118	115	82.0	18.0	.	0.3	1.5	358.3	337.8	.	315.6	395.1
Russian Federation	166	.	.	.	.	100.0	0.0	.	.	.	561.0	.
Slovenia	96	93	82.0	18.0	.	0.6	2.9	459.1	446.9	.	335.6	497.0
Sweden	160	143	61.3	30.3	8.4	2.6	5.6	416.7	415.4	405.2	379.6	378.3
International Avg.	144	137	84.3	13.8	2.8	10.7	1.4	461.2	459.1	470.1	458.1	446.3

Question : How well prepared do you feel you are to teach trigonometric properties of triangles?
 Location : TQM3-08CD (MT2MTT15)

Country	Sample	Valid N	1.VERY WELL PREPARE D %	2.SOMEW HAT PREPARE D %	3.NOT WELL PREPARE D %	Not Adminis tered %	Omitted %	1.VERY WELL PREPARE D Mean	2.SOMEW HAT PREPARE D Mean	3.NOT WELL PREPARE D Mean	Not Adminis tered Mean	Omitted Mean
Armenia	71	71	95.8	1.4	2.9	0.0	0.0	434.4	386.0	402.5	.	.
Iran, Islamic Rep. of	185	184	88.5	9.4	2.1	0.0	1.1	494.8	520.7	509.5	.	423.5
Italy	130	129	86.8	12.3	0.9	0.3	0.0	454.8	404.1	435.0	573.0	.
Lebanon	271	267	95.5	4.0	0.6	0.3	0.5	543.6	579.7	495.7	502.0	572.6
Netherlands	118	115	97.4	2.6	.	3.2	0.0	553.4	533.0	.	539.6	.
Norway	120	120	99.6	0.4	.	0.0	0.0	439.3	431.1	.	.	.
Philippines	118	115	86.7	13.3	.	0.3	1.5	345.2	416.0	.	315.6	395.1
Russian Federation	166	.	.	.	.	100.0	0.0	.	.	.	561.0	.
Slovenia	96	93	94.4	5.6	.	0.6	2.9	456.3	468.0	.	335.6	497.0
Sweden	160	143	96.8	3.2	.	2.6	5.6	416.5	378.7	.	379.6	378.3
International Avg.	144	137	93.5	5.8	1.6	10.7	1.2	459.8	457.5	460.7	458.1	453.3

Question : How well prepared do you feel you are to teach properties of vectors and their sums and differences?
 Location : TQM3-08CE (MT2MTT16)

Country	Sample	Valid N	1.VERY WELL PREPARE D %	2.SOMEW HAT PREPARE D %	3.NOT WELL PREPARE D %	Not Adminis tered %	Omitted %	1.VERY WELL PREPARE D Mean	2.SOMEW HAT PREPARE D Mean	3.NOT WELL PREPARE D Mean	Not Adminis tered Mean	Omitted Mean
Armenia	71	70	87.0	7.8	5.2	0.0	2.6	432.0	450.7	426.5	.	419.7
Iran, Islamic Rep. of	185	184	86.1	10.9	3.0	0.0	1.1	495.4	513.4	503.1	.	423.5
Italy	130	129	68.4	30.7	0.9	0.3	0.0	464.8	412.3	435.0	573.0	.
Lebanon	271	267	98.1	1.1	0.7	0.3	0.5	545.1	534.2	517.5	502.0	572.6
Netherlands	118	115	86.3	12.1	1.7	3.2	0.0	552.4	558.3	539.0	539.6	.
Norway	120	120	98.5	1.5	.	0.0	0.0	438.8	466.9	.	.	.
Philippines	118	115	39.0	47.2	13.7	0.3	1.5	365.9	337.0	383.3	315.6	395.1
Russian Federation	166	.	.	.	.	100.0	0.0	.	.	.	561.0	.
Slovenia	96	93	95.0	5.0	.	0.6	2.9	457.3	449.4	.	335.6	497.0
Sweden	160	143	67.0	26.4	6.6	2.6	5.6	419.6	411.4	387.5	379.6	378.3
International Avg.	144	137	80.6	15.9	4.5	10.7	1.4	463.5	459.3	456.0	458.1	447.7

Question : In your school, how often do you have discussions about how to teach a particular concept with other teachers?
 Location : TQM3-09A (MT2G0TDC)

Country	Sample	Valid N	1.NEVER	2.2	3.1-3	4.DAILY	Not Adminis	Omitted	1.NEVER	2.2	3.1-3	4.DAILY	Not Adminis	Omitted
			OR ALMOST NEVER %	OR 3 TIMES PER MONTH %	TIMES PER WEEK %	OR ALMOST DAILY %			OR ALMOST NEVER Mean	OR 3 TIMES PER MONTH Mean	TIMES PER WEEK Mean	OR ALMOST DAILY Mean		
Armenia	71	70	5.3	54.9	23.8	16.0	0.0	2.6	419.1	421.2	450.1	453.8	.	419.7
Iran, Islamic Rep. of	185	185	17.7	54.3	20.6	7.5	0.0	0.0	519.1	491.2	492.7	495.9	.	.
Italy	130	129	21.3	51.1	15.9	11.7	0.3	0.0	449.5	448.3	455.2	437.7	573.0	.
Lebanon	271	266	9.6	40.1	34.4	15.9	0.3	0.5	561.1	541.2	543.5	546.3	502.0	575.7
Netherlands	118	115	20.3	45.2	27.4	7.2	3.2	0.0	553.2	552.4	553.4	552.7	539.6	.
Norway	120	120	10.3	45.8	34.3	9.7	0.0	0.0	448.0	440.3	433.3	445.9	.	.
Philippines	118	117	10.0	51.6	31.0	7.5	0.3	0.0	385.1	348.8	361.4	334.7	315.6	.
Russian Federation	166	164	5.7	44.8	29.9	19.7	0.2	0.9	518.5	567.5	558.5	561.0	623.5	570.9
Slovenia	96	95	12.5	51.0	27.8	8.7	0.6	0.0	446.7	455.6	463.5	472.5	335.6	.
Sweden	160	144	10.1	41.5	35.5	12.9	2.6	5.4	449.7	409.1	413.9	412.0	379.6	378.5
International Avg.	144	141	12.3	48.0	28.0	11.7	0.8	0.9	475.0	467.5	472.5	471.2	467.0	486.2

Question : In your school, how often do you work on preparing instructional materials with other teachers?
 Location : TQM3-09B (MT2G0TPM)

Country	Sample	Valid N	1.NEVER	2.2	3.1-3	4.DAILY	Not Adminis	Omitted	1.NEVER	2.2	3.1-3	4.DAILY	Not Adminis	Omitted
			OR ALMOST NEVER %	OR 3 TIMES PER MONTH %	TIMES PER WEEK %	OR ALMOST DAILY %			OR ALMOST NEVER Mean	OR 3 TIMES PER MONTH Mean	TIMES PER WEEK Mean	OR ALMOST DAILY Mean		
Armenia	71	71	12.0	58.8	21.8	7.5	0.0	0.0	432.0	424.0	472.0	388.6	.	.
Iran, Islamic Rep. of	185	183	45.7	30.7	13.7	9.9	0.0	1.5	499.3	493.9	528.1	465.0	.	405.4
Italy	130	129	43.5	44.1	6.1	6.3	0.3	0.0	455.0	448.8	450.5	398.0	573.0	.
Lebanon	271	248	37.0	38.7	16.0	8.4	0.3	7.0	543.2	547.5	541.7	544.6	502.0	546.4
Netherlands	118	115	51.0	38.2	10.7	.	3.2	0.0	551.0	555.0	553.9	.	539.6	.
Norway	120	119	20.6	46.5	23.6	9.3	0.0	0.7	443.9	435.4	439.9	443.5	.	473.1
Philippines	118	117	17.6	46.5	29.7	6.2	0.3	0.0	358.6	353.2	358.2	346.6	315.6	.
Russian Federation	166	163	15.4	48.4	22.1	14.1	0.2	1.5	558.5	557.9	565.9	563.7	623.5	578.8
Slovenia	96	94	49.2	42.5	3.4	5.0	0.6	0.8	461.7	458.1	463.0	426.6	335.6	414.5
Sweden	160	142	19.4	37.5	28.9	14.1	2.6	6.4	413.5	414.8	414.1	419.9	379.6	386.9
International Avg.	144	138	31.1	43.2	17.6	9.0	0.8	1.8	471.7	468.9	478.7	444.1	467.0	467.5

Question : In your school, how often do you have visits to another teacher's classroom to observe his/her teaching?
 Location : TQM3-09C (MT2G0TVT)

Country	Sample	Valid N	1.NEVER	2.2	3.1-3	4.DAILY	Not Adminis	Omitted	1.NEVER	2.2	3.1-3	4.DAILY	Not Adminis	Omitted
			OR ALMOST NEVER %	OR 3 TIMES PER MONTH %	TIMES PER WEEK %	OR ALMOST DAILY %			OR ALMOST NEVER Mean	OR 3 TIMES PER MONTH Mean	TIMES PER WEEK Mean	OR ALMOST DAILY Mean		
Armenia	71	70	8.6	58.9	26.5	6.1	0.0	2.6	511.4	425.9	426.6	421.8	.	419.7
Iran, Islamic Rep. of	185	184	89.5	6.4	2.0	2.0	0.0	0.8	500.7	476.1	453.3	474.4	.	394.7
Italy	130	129	98.1	1.9	.	.	0.3	0.0	448.3	451.4	.	.	573.0	.
Lebanon	271	259	56.4	32.9	9.0	1.7	0.3	2.4	546.9	540.7	534.7	594.8	502.0	556.9
Netherlands	118	115	90.4	9.6	.	.	3.2	0.0	551.4	566.6	.	.	539.6	.
Norway	120	118	94.7	3.7	0.9	0.6	0.0	2.0	440.2	396.2	458.8	387.6	.	481.7
Philippines	118	117	56.5	39.0	4.5	.	0.3	0.0	362.7	339.8	395.6	.	315.6	.
Russian Federation	166	163	21.5	69.9	8.7	.	0.2	2.0	554.6	564.1	540.6	.	623.5	601.3
Slovenia	96	95	91.2	8.8	.	.	0.6	0.0	459.0	449.1	.	.	335.6	.
Sweden	160	141	88.2	10.8	1.0	.	2.6	6.7	420.1	375.8	388.6	.	379.6	388.6
International Avg.	144	139	69.5	24.2	7.5	2.6	0.8	1.6	479.5	458.6	456.9	469.7	467.0	473.8

Question : In your school, how often do you have informal observations of your classroom by another teacher?
 Location : TQM3-09D (MT2G0TIO)

Country	Sample	Valid N	1.NEVER	2.2	3.1-3	4.DAILY	Not Adminis	Omitted	1.NEVER	2.2	3.1-3	4.DAILY	Not Adminis	Omitted
			OR ALMOST NEVER %	OR 3 TIMES PER MONTH %	TIMES PER WEEK %	OR ALMOST DAILY %			OR ALMOST NEVER Mean	OR 3 TIMES PER MONTH Mean	TIMES PER WEEK Mean	OR ALMOST DAILY Mean		
Armenia	71	69	7.2	76.0	10.0	6.8	0.0	3.8	535.3	429.2	433.1	379.1	.	407.9
Iran, Islamic Rep. of	185	183	76.4	19.2	2.2	2.3	0.0	1.2	503.9	484.3	456.6	456.2	.	399.7
Italy	130	129	81.1	15.5	1.7	1.7	0.3	0.0	449.0	442.4	447.4	473.0	573.0	.
Lebanon	271	259	73.9	22.5	2.1	1.5	0.3	3.1	547.2	538.9	543.4	498.0	502.0	556.9
Netherlands	118	115	95.3	4.7	.	.	3.2	0.0	553.3	545.1	.	.	539.6	.
Norway	120	118	96.1	3.0	0.3	0.6	0.0	2.0	440.4	376.1	491.4	387.6	.	481.7
Philippines	118	117	48.5	43.1	7.5	0.9	0.3	0.0	367.4	351.4	301.1	334.4	315.6	.
Russian Federation	166	165	30.0	62.9	6.3	0.8	0.2	0.0	551.2	565.7	566.5	497.6	623.5	.
Slovenia	96	95	90.7	9.3	.	.	0.6	0.0	458.2	457.5	.	.	335.6	.
Sweden	160	142	88.3	8.7	3.1	.	2.6	5.9	418.7	385.3	402.8	.	379.6	380.6
International Avg.	144	139	68.7	26.5	4.1	2.1	0.8	1.6	482.5	457.6	455.3	432.3	467.0	445.4

Question : Are you a member of <professional organization for mathematics teachers>?
 Location : TQM3-10A (MT2MMP0M)

Country	Sample	Valid N	1.YES %	2.NO %	Not Adminis- tered %	Omitted %	1.YES Mean	2.NO Mean	Not Adminis- tered Mean	Omitted Mean
Armenia	71	71	33.0	67.0	0.0	0.0	395.6	451.1	.	.
Iran, Islamic Rep. of	185	185	34.3	65.7	0.0	0.0	499.1	495.6	.	.
Italy	130	129	17.7	82.3	0.3	0.0	414.1	455.8	573.0	.
Lebanon	271	268	26.0	74.0	0.3	0.5	555.0	541.5	502.0	522.5
Netherlands	118	115	68.7	31.3	3.2	0.0	552.1	554.5	539.6	.
Norway	120	118	15.2	84.8	0.0	2.1	438.7	438.0	.	491.4
Philippines	118	117	56.5	43.5	0.3	0.0	370.2	335.8	315.6	.
Russian Federation	166	161	55.3	44.7	0.2	3.7	568.0	549.8	623.5	586.2
Slovenia	96	95	51.4	48.6	0.6	0.0	464.7	451.1	335.6	.
Sweden	160	144	24.0	76.0	2.6	5.4	409.5	417.1	379.6	378.5
International Avg.	144	140	38.2	61.8	0.8	1.2	466.7	469.0	467.0	494.6

Question : In the past two years, have you regularly participated in activities sponsored by <professional organization for mathematics teachers>?
 Location : TQM3-10B (MT2MRPPO)

Country	Sample	Valid N	1.YES %	2.NO %	Not Adminis- tered %	Omitted %	1.YES Mean	2.NO Mean	Not Adminis- tered Mean	Omitted Mean
Armenia	71	70	40.0	60.0	0.0	0.7	421.4	440.7	.	404.5
Iran, Islamic Rep. of	185	183	26.1	73.9	0.0	0.9	485.6	500.9	.	477.4
Italy	130	129	28.6	71.4	0.3	0.0	426.4	457.2	573.0	.
Lebanon	271	268	37.6	62.4	0.3	0.5	547.1	543.7	502.0	522.5
Netherlands	118	114	34.0	66.0	3.2	0.9	553.4	552.6	539.6	555.4
Norway	120	119	8.2	91.8	0.0	0.5	436.3	439.5	.	439.7
Philippines	118	117	67.5	32.5	0.3	0.0	356.4	352.9	315.6	.
Russian Federation	166	161	18.3	81.7	0.2	2.9	576.0	556.1	623.5	598.4
Slovenia	96	95	43.3	56.7	0.6	0.0	455.1	460.4	335.6	.
Sweden	160	144	12.3	87.7	2.6	5.4	430.7	413.1	379.6	378.5
International Avg.	144	140	31.6	68.4	0.8	1.2	468.9	471.7	467.0	482.4

Question : In the past two years, have you participated in professional development in mathematics content?
 Location : TQM3-11A (MT2MPDMT)

Country	Sample	Valid N	1.YES %	2.NO %	Not Adminis- tered %	Omitted %	1.YES Mean	2.NO Mean	Not Adminis- tered Mean	Omitted Mean
Armenia	71	70	80.8	19.2	0.0	1.0	429.4	446.3	.	444.6
Iran, Islamic Rep. of	185	185	44.6	55.4	0.0	0.0	497.4	496.3	.	.
Italy	130	129	46.3	53.7	0.3	0.0	436.4	458.8	573.0	.
Lebanon	271	258	32.6	67.4	0.6	2.8	549.2	542.2	519.2	560.6
Netherlands	118	112	62.5	37.5	3.2	2.0	550.6	556.3	539.6	559.4
Norway	120	119	41.6	58.4	0.0	0.8	442.8	437.1	.	410.8
Philippines	118	117	84.4	15.6	0.3	0.0	357.4	343.3	315.6	.
Russian Federation	166	165	79.3	20.7	0.2	0.0	562.8	553.4	623.5	.
Slovenia	96	95	88.2	11.8	0.6	0.0	459.6	447.4	335.6	.
Sweden	160	141	51.5	48.5	2.6	9.6	418.3	410.4	379.6	401.7
International Avg.	144	139	61.2	38.8	0.8	1.6	470.4	469.1	469.4	475.4

Question : In the past two years, have you participated in professional development in mathematics pedagogy/instruction?
 Location : TQM3-11B (MT2MPDMP)

Country	Sample	Valid N	1.YES %	2.NO %	Not Adminis- tered %	Omitted %	1.YES Mean	2.NO Mean	Not Adminis- tered Mean	Omitted Mean
Armenia	71	71	87.3	12.7	0.0	0.0	421.5	510.4	.	.
Iran, Islamic Rep. of	185	185	62.8	37.2	0.0	0.0	498.1	494.6	.	.
Italy	130	129	50.4	49.6	0.3	0.0	435.9	461.1	573.0	.
Lebanon	271	254	36.4	63.6	0.3	4.0	548.1	543.0	502.0	545.6
Netherlands	118	112	36.2	63.8	3.2	2.0	550.0	554.3	539.6	559.4
Norway	120	118	30.6	69.4	0.0	2.2	441.6	438.5	.	430.0
Philippines	118	117	74.6	25.4	0.3	0.0	353.4	360.5	315.6	.
Russian Federation	166	165	68.2	31.8	0.2	0.0	562.2	558.0	623.5	.
Slovenia	96	95	80.9	19.1	0.6	0.0	462.8	438.2	335.6	.
Sweden	160	141	52.0	48.0	2.6	8.2	412.9	415.4	379.6	403.3
International Avg.	144	139	57.9	42.1	0.8	1.6	468.7	477.4	467.0	484.6

Question : In the past two years, have you participated in professional development in mathematics curriculum?
 Location : TQM3-11C (MT2MPDMC)

Country	Sample	Valid N	1.YES %	2.NO %	Not Adminis- tered %	Omitted %	1.YES Mean	2.NO Mean	Not Adminis- tered Mean	Omitted Mean
Armenia	71	71	74.6	25.4	0.0	0.0	425.7	453.7	.	.
Iran, Islamic Rep. of	185	182	34.3	65.7	0.0	1.5	493.6	497.6	.	529.3
Italy	130	129	19.0	81.0	0.3	0.0	431.2	452.4	573.0	.
Lebanon	271	255	26.7	73.3	0.3	4.4	546.5	543.5	502.0	557.7
Netherlands	118	111	41.4	58.6	3.2	2.3	555.1	550.6	539.6	569.4
Norway	120	118	46.7	53.3	0.0	1.9	442.8	436.1	.	440.3
Philippines	118	117	69.8	30.2	0.3	0.0	358.5	347.6	315.6	.
Russian Federation	166	164	66.2	33.8	0.2	0.3	558.5	566.2	623.5	464.3
Slovenia	96	94	52.2	47.8	0.6	0.5	466.0	448.7	335.6	540.4
Sweden	160	142	32.8	67.2	2.6	8.0	413.5	414.8	379.6	399.9
International Avg.	144	138	46.4	53.6	0.8	1.9	469.1	471.1	467.0	500.2

Question : In the past two years, have you participated in professional development in integrating information technology into mathematics?
 Location : TQM3-11D (MT2MPDIT)

Country	Sample	Valid N	1.YES %	2.NO %	Not Adminis- tered %	Omitted %	1.YES Mean	2.NO Mean	Not Adminis- tered Mean	Omitted Mean
Armenia	71	70	44.1	55.9	0.0	2.6	411.8	450.0	.	419.7
Iran, Islamic Rep. of	185	184	24.7	75.3	0.0	0.5	501.7	494.7	.	556.5
Italy	130	129	38.5	61.5	0.3	0.0	440.7	453.2	573.0	.
Lebanon	271	256	28.8	71.2	0.3	4.6	549.1	542.8	502.0	549.9
Netherlands	118	111	24.6	75.4	3.2	3.0	552.2	552.9	539.6	557.5
Norway	120	118	53.4	46.6	0.0	1.9	448.4	429.9	.	411.6
Philippines	118	117	58.5	41.5	0.3	0.0	344.6	370.3	315.6	.
Russian Federation	166	165	72.3	27.7	0.2	0.0	563.0	555.2	623.5	.
Slovenia	96	95	66.0	34.0	0.6	0.0	456.8	460.7	335.6	.
Sweden	160	142	34.0	66.0	2.6	8.0	410.7	416.3	379.6	399.9
International Avg.	144	139	44.5	55.5	0.8	2.1	467.9	472.6	467.0	482.5

Question : In the past two years, have you participated in professional development in improving students' critical thinking or problem-solving skills?
 Location : TQM3-11E (MT2MPDCT)

Country	Sample	Valid N	1.YES %	2.NO %	Not Adminis- tered %	Omitted %	1.YES Mean	2.NO Mean	Not Adminis- tered Mean	Omitted Mean
Armenia	71	71	57.4	42.6	0.0	0.0	416.1	455.3	.	.
Iran, Islamic Rep. of	185	184	29.2	70.8	0.0	0.5	494.2	497.3	.	575.4
Italy	130	129	15.2	84.8	0.3	0.0	427.6	452.1	573.0	.
Lebanon	271	257	41.2	58.8	0.3	3.6	552.6	539.7	502.0	540.8
Netherlands	118	110	11.7	88.3	3.2	3.7	552.4	553.0	539.6	552.0
Norway	120	118	6.0	94.0	0.0	1.7	474.0	437.4	.	416.8
Philippines	118	117	58.0	42.0	0.3	0.0	348.0	365.3	315.6	.
Russian Federation	166	165	55.0	45.0	0.2	0.0	566.4	554.1	623.5	.
Slovenia	96	95	41.6	58.4	0.6	0.0	459.2	457.4	335.6	.
Sweden	160	142	32.1	67.9	2.6	8.0	411.1	415.9	379.6	399.9
International Avg.	144	139	34.7	65.3	0.8	1.8	470.2	472.8	467.0	497.0

Question : In the past two years, have you participated in professional development in mathematics assessment?
 Location : TQM3-11F (MT2MPDMA)

Country	Sample	Valid N	1.YES %	2.NO %	Not Adminis- tered %	Omitted %	1.YES Mean	2.NO Mean	Not Adminis- tered Mean	Omitted Mean
Armenia	71	71	66.9	33.1	0.0	0.0	423.0	452.5	.	.
Iran, Islamic Rep. of	185	185	24.0	76.0	0.0	0.0	508.4	493.1	.	.
Italy	130	129	19.1	80.9	0.3	0.0	416.2	456.0	573.0	.
Lebanon	271	257	42.0	58.0	0.3	3.7	548.7	541.8	502.0	549.1
Netherlands	118	111	6.0	94.0	3.2	3.0	565.9	551.9	539.6	557.5
Norway	120	119	26.2	73.8	0.0	0.8	444.8	437.6	.	410.8
Philippines	118	.	.	.	100.0	0.0	.	.	355.1	.
Russian Federation	166	165	56.7	43.3	0.2	0.0	560.1	561.9	623.5	.
Slovenia	96	95	67.8	32.2	0.6	0.0	456.4	461.9	335.6	.
Sweden	160	142	51.6	48.4	2.6	8.0	408.0	421.2	379.6	399.9
International Avg.	144	142	40.0	60.0	10.7	1.6	481.3	486.4	472.6	479.3

Question : In the past two years, have you attended a workshop or conference in mathematics?
 Location : TQM3-12A (MT2MACW0)

Country	Sample	Valid N	1.YES %	2.NO %	Not Adminis- tered %	Omitted %	1.YES Mean	2.NO Mean	Not Adminis- tered Mean	Omitted Mean
Armenia	71	68	42.7	57.3	0.0	3.3	438.4	431.7	.	381.0
Iran, Islamic Rep. of	185	185	60.4	39.6	0.0	0.0	490.4	506.4	.	.
Italy	130	129	62.2	37.8	0.3	0.0	445.9	452.4	573.0	.
Lebanon	271	263	48.2	51.8	0.3	1.8	550.5	538.0	502.0	590.0
Netherlands	118	115	65.7	34.3	3.2	0.0	551.6	555.3	539.6	.
Norway	120	120	50.8	49.2	0.0	0.0	446.4	431.8	.	.
Philippines	118	117	87.7	12.3	0.3	0.0	355.6	352.9	315.6	.
Russian Federation	166	164	87.8	12.2	0.2	0.3	561.0	560.6	623.5	526.5
Slovenia	96	95	84.3	15.7	0.6	0.0	458.1	458.3	335.6	.
Sweden	160	144	67.5	32.5	2.6	5.4	417.0	411.7	379.6	378.5
International Avg.	144	140	65.7	34.3	0.8	1.1	471.5	469.9	467.0	469.0

Question : In the past two years, have you given a presentation at a workshop or conference in mathematics?
 Location : TQM3-12B (MT2MACPR)

Country	Sample	Valid N	1.YES %	2.NO %	Not Adminis- tered %	Omitted %	1.YES Mean	2.NO Mean	Not Adminis- tered Mean	Omitted Mean
Armenia	71	70	5.5	94.5	0.0	0.7	350.4	437.8	.	404.5
Iran, Islamic Rep. of	185	183	18.9	81.1	0.0	0.9	494.3	497.1	.	515.0
Italy	130	129	4.0	96.0	0.3	0.0	467.4	447.6	573.0	.
Lebanon	271	259	24.2	75.8	0.3	2.5	552.6	541.7	502.0	564.5
Netherlands	118	115	6.7	93.3	3.2	0.0	551.7	552.9	539.6	.
Norway	120	120	14.8	85.2	0.0	0.0	456.5	436.2	.	.
Philippines	118	117	36.5	63.5	0.3	0.0	356.3	354.6	315.6	.
Russian Federation	166	164	62.3	37.7	0.2	0.3	565.6	553.2	623.5	526.5
Slovenia	96	94	16.9	83.1	0.6	0.3	491.7	451.5	335.6	406.7
Sweden	160	144	5.1	94.9	2.6	5.4	388.6	416.7	379.6	378.5
International Avg.	144	140	19.5	80.5	0.8	1.0	467.5	469.0	467.0	465.9

Question : In the past two years, have you published an article in mathematics?
 Location : TQM3-12C (MT2MACPU)

Country	Sample	Valid N	1.YES %	2.NO %	Not Adminis- tered %	Omitted %	1.YES Mean	2.NO Mean	Not Adminis- tered Mean	Omitted Mean
Armenia	71	68	4.2	95.8	0.0	3.3	351.0	438.2	.	381.0
Iran, Islamic Rep. of	185	184	6.5	93.5	0.0	0.2	448.0	500.3	.	443.5
Italy	130	129	2.9	97.1	0.3	0.0	473.0	447.7	573.0	.
Lebanon	271	263	12.4	87.6	0.3	2.1	529.7	547.3	502.0	533.6
Netherlands	118	115	2.3	97.7	3.2	0.0	553.6	552.8	539.6	.
Norway	120	120	4.7	95.3	0.0	0.0	461.8	438.1	.	.
Philippines	118	117	6.7	93.3	0.3	0.0	360.3	354.9	315.6	.
Russian Federation	166	164	26.0	74.0	0.2	0.3	570.3	557.7	623.5	526.5
Slovenia	96	95	8.3	91.7	0.6	0.0	501.2	454.2	335.6	.
Sweden	160	144	6.6	93.4	2.6	5.4	403.6	416.1	379.6	378.5
International Avg.	144	140	8.1	91.9	0.8	1.1	465.3	470.7	467.0	452.6

Question : In the past two years, have you taken part in an innovative project for curriculum and instruction in mathematics?
 Location : TQM3-12D (MT2MACIP)

Country	Sample	Valid N	1.YES %	2.NO %	Not Adminis- tered %	Omitted %	1.YES Mean	2.NO Mean	Not Adminis- tered Mean	Omitted Mean
Armenia	71	69	43.9	56.1	0.0	2.8	446.7	418.1	.	506.8
Iran, Islamic Rep. of	185	185	19.8	80.2	0.0	0.0	505.0	494.7	.	.
Italy	130	129	28.9	71.1	0.3	0.0	455.1	445.7	573.0	.
Lebanon	271	260	15.9	84.1	0.3	3.3	551.1	543.5	502.0	549.8
Netherlands	118	115	22.8	77.2	3.2	0.0	548.7	554.1	539.6	.
Norway	120	120	12.8	87.2	0.0	0.0	434.3	440.0	.	.
Philippines	118	116	30.2	69.8	0.3	0.9	360.7	352.2	315.6	406.0
Russian Federation	166	164	40.4	59.6	0.2	0.3	578.0	549.5	623.5	526.5
Slovenia	96	95	37.9	62.1	0.6	0.0	454.2	460.5	335.6	.
Sweden	160	144	17.1	82.9	2.6	5.4	412.8	415.8	379.6	378.5
International Avg.	144	140	27.0	73.0	0.8	1.3	474.7	467.4	467.0	473.5

Question : In the past two years, have you exchanged information online about how to teach mathematics?
 Location : TQM3-12E (MT2MACEX)

Country	Sample	Valid N	1.YES %	2.NO %	Not Adminis- tered %	Omitted %	1.YES Mean	2.NO Mean	Not Adminis- tered Mean	Omitted Mean
Armenia	71	70	12.2	87.8	0.0	0.7	486.5	425.6	.	404.5
Iran, Islamic Rep. of	185	185	54.6	45.4	0.0	0.0	494.7	499.2	.	.
Italy	130	129	28.4	71.6	0.3	0.0	440.2	451.7	573.0	.
Lebanon	271	262	26.2	73.8	0.3	2.0	534.9	548.0	502.0	559.7
Netherlands	118	115	26.0	74.0	3.2	0.0	561.9	549.7	539.6	.
Norway	120	120	20.3	79.7	0.0	0.0	441.0	438.8	.	.
Philippines	118	117	10.2	89.8	0.3	0.0	394.2	350.8	315.6	.
Russian Federation	166	163	23.9	76.1	0.2	1.7	591.9	550.9	623.5	571.5
Slovenia	96	95	53.4	46.6	0.6	0.0	458.1	458.1	335.6	.
Sweden	160	144	22.1	77.9	2.6	5.4	402.6	418.8	379.6	378.5
International Avg.	144	140	27.7	72.3	0.8	1.0	480.6	469.2	467.0	478.6

Question : Thinking about your current school, to what extent do you feel that it is located in a safe neighborhood?
 Location : TQM3-13A (MT2GCUUSN)

Country	Sample	Valid N	1.AGREE A LOT %	2.AGREE %	3.DISAG REE %	4.DISAG REE A LOT %	Not Adminis tered %	Omitted %	1.AGREE A LOT Mean	2.AGREE Mean	3.DISAG REE Mean	4.DISAG REE A LOT Mean	Not Adminis tered Mean	Omitted Mean
Armenia	71	71	58.8	37.7	3.5	.	0.0	0.0	430.8	433.4	460.1	.	.	.
Iran, Islamic Rep. of	185	172	53.9	46.1	.	.	0.0	7.9	501.3	497.0	.	.	.	466.6
Italy	130	129	33.7	58.6	6.2	1.5	0.3	0.0	451.2	450.1	425.4	412.6	573.0	.
Lebanon	271	265	63.9	29.3	5.0	1.8	0.3	1.6	545.1	546.3	543.1	518.6	502.0	542.9
Netherlands	118	115	65.7	32.9	0.9	0.4	3.2	0.0	554.5	550.5	552.4	489.5	539.6	.
Norway	120	120	78.1	21.2	0.7	.	0.0	0.0	439.7	440.3	353.9	.	.	.
Philippines	118	117	48.8	47.9	1.6	1.7	0.3	0.0	342.6	359.0	382.1	584.6	315.6	.
Russian Federation	166	165	29.0	53.6	15.9	1.5	0.2	0.0	557.2	568.6	539.3	581.7	623.5	.
Slovenia	96	95	32.5	57.3	9.2	1.0	0.6	0.0	477.6	449.9	452.7	341.3	335.6	.
Sweden	160	144	74.4	22.2	1.3	2.2	2.6	5.4	419.5	398.9	415.4	435.4	379.6	378.5
International Avg.	144	139	53.9	40.7	4.9	1.4	0.8	1.5	472.0	469.4	458.3	480.5	467.0	462.7

Question : How safe do you feel at this school?
 Location : TQM3-13B (MT2GCUSA)

Country	Sample	Valid N	1.AGREE A LOT %	2.AGREE %	3.DISAG REE %	4.DISAG REE A LOT %	Not Adminis tered %	Omitted %	1.AGREE A LOT Mean	2.AGREE Mean	3.DISAG REE Mean	4.DISAG REE A LOT Mean	Not Adminis tered Mean	Omitted Mean
Armenia	71	71	76.8	19.1	4.1	.	0.0	0.0	436.7	415.9	437.9	.	.	.
Iran, Islamic Rep. of	185	178	74.2	25.8	.	.	0.0	4.6	501.2	486.4	.	.	.	484.1
Italy	130	129	37.6	58.0	3.9	0.5	0.3	0.0	464.8	442.2	391.8	378.7	573.0	.
Lebanon	271	267	68.7	27.7	3.0	0.6	0.3	0.5	544.7	549.5	511.4	504.7	502.0	559.8
Netherlands	118	115	76.8	21.6	1.6	.	3.2	0.0	552.4	554.5	552.2	.	539.6	.
Norway	120	119	85.4	13.8	.	0.8	0.0	1.0	439.7	438.7	.	337.8	.	483.7
Philippines	118	117	53.1	46.9	.	.	0.3	0.0	349.8	361.4	.	.	315.6	.
Russian Federation	166	165	42.8	54.0	3.2	.	0.2	0.0	573.3	555.1	492.3	.	623.5	.
Slovenia	96	95	42.2	55.2	2.6	.	0.6	0.0	478.4	444.0	430.2	.	335.6	.
Sweden	160	144	90.9	9.1	.	.	2.6	5.4	417.1	396.6	.	.	379.6	378.5
International Avg.	144	140	64.9	33.1	3.1	0.6	0.8	1.2	475.8	464.4	469.3	407.0	467.0	476.5

Question : To what extent do you feel that this school's security policies and practices are sufficient?
 Location : TQM3-13C (MT2GCUSP)

Country	Sample	Valid N	1.AGREE A LOT %	2.AGREE %	3.DISAG REE %	4.DISAG REE A LOT %	Not Adminis tered %	Omitted %	1.AGREE A LOT Mean	2.AGREE Mean	3.DISAG REE Mean	4.DISAG REE A LOT Mean	Not Adminis tered Mean	Omitted Mean
Armenia	71	71	52.1	41.0	5.6	1.2	0.0	0.0	423.3	449.0	413.2	381.7	.	.
Iran, Islamic Rep. of	185	178	59.3	40.0	0.7	.	0.0	4.5	495.9	499.0	490.2	.	.	489.6
Italy	130	129	21.6	68.7	9.6	.	0.3	0.0	448.9	454.7	402.2	.	573.0	.
Lebanon	271	265	57.4	34.0	7.7	0.8	0.3	1.7	543.3	550.1	535.9	530.9	502.0	540.7
Netherlands	118	115	45.4	52.0	2.7	.	3.2	0.0	553.7	552.7	541.7	.	539.6	.
Norway	120	119	57.8	36.7	5.5	.	0.0	1.0	435.6	445.1	430.3	.	.	483.7
Philippines	118	117	33.5	60.8	5.6	.	0.3	0.0	340.9	363.3	353.2	.	315.6	.
Russian Federation	166	165	33.9	60.9	5.2	.	0.2	0.0	574.2	556.5	525.8	.	623.5	.
Slovenia	96	95	32.3	61.1	6.6	.	0.6	0.0	478.0	454.2	397.2	.	335.6	.
Sweden	160	144	62.7	34.6	2.5	0.2	2.6	5.4	421.2	408.1	380.0	240.6	379.6	378.5
International Avg.	144	140	45.6	49.0	5.2	0.7	0.8	1.3	471.5	473.3	447.0	384.4	467.0	473.1

Question : How severely does the school building need significant repair?
 Location : TQM3-14A (MT2GSPBR)

Country	Sample	Valid N	1.NOT A PROBLEM %	2.MINOR PROBLEM %	3.SERIO US PROBLEM %	Not Adminis tered %	Omitted %	1.NOT A PROBLEM Mean	2.MINOR PROBLEM Mean	3.SERIO US PROBLEM Mean	Not Adminis tered Mean	Omitted Mean
Armenia	71	70	25.4	37.3	37.3	0.0	1.2	400.6	415.8	470.2	.	477.9
Iran, Islamic Rep. of	185	184	53.3	32.5	14.2	0.0	0.7	513.6	479.8	477.7	.	390.2
Italy	130	129	44.1	40.0	15.9	0.3	0.0	450.9	448.2	442.0	573.0	.
Lebanon	271	261	64.3	27.6	8.1	0.3	3.2	550.1	530.3	540.1	502.0	576.7
Netherlands	118	115	51.5	29.0	19.5	3.2	0.0	553.1	555.5	548.3	539.6	.
Norway	120	117	42.6	36.6	20.7	0.0	2.4	438.5	439.0	447.2	.	389.2
Philippines	118	117	30.2	54.9	15.0	0.3	0.0	373.1	354.7	321.1	315.6	.
Russian Federation	166	163	26.6	49.7	23.7	0.2	1.2	553.3	565.8	559.5	623.5	549.6
Slovenia	96	95	32.8	44.5	22.7	0.6	0.0	449.3	464.1	459.3	335.6	.
Sweden	160	144	59.1	33.6	7.3	2.6	5.4	415.0	422.9	382.1	379.6	378.5
International Avg.	144	140	43.0	38.6	18.4	0.8	1.4	469.8	467.6	464.7	467.0	460.4

Question : How severe of a problem is overcrowded classrooms?
 Location : TQM3-14B (MT2GSPC0)

Country	Sample	Valid N	1.NOT A PROBLEM %	2.MINOR PROBLEM %	3.SERIO US PROBLEM %	Not Adminis tered %	Omitted %	1.NOT A PROBLEM Mean	2.MINOR PROBLEM Mean	3.SERIO US PROBLEM Mean	Not Adminis tered Mean	Omitted Mean
Armenia	71	70	33.6	28.5	37.9	0.0	1.2	439.8	436.2	422.5	.	477.9
Iran, Islamic Rep. of	185	182	51.9	32.5	15.6	0.0	1.4	501.7	500.6	475.9	.	461.9
Italy	130	129	28.1	27.1	44.8	0.3	0.0	438.0	451.3	453.1	573.0	.
Lebanon	271	252	62.0	29.0	9.0	0.3	7.8	545.1	547.4	537.4	502.0	542.1
Netherlands	118	115	30.5	48.6	20.9	3.2	0.0	558.2	547.1	558.4	539.6	.
Norway	120	117	28.0	48.2	23.8	0.0	2.4	435.7	439.7	447.7	.	389.2
Philippines	118	117	46.2	35.2	18.6	0.3	0.0	377.3	343.7	322.1	315.6	.
Russian Federation	166	163	72.8	23.9	3.3	0.2	1.2	567.2	538.8	584.4	623.5	549.6
Slovenia	96	94	23.3	37.1	39.6	0.6	0.7	447.7	462.8	460.9	335.6	401.7
Sweden	160	144	44.2	48.6	7.2	2.6	5.4	405.5	420.2	442.0	379.6	378.5
International Avg.	144	138	42.1	35.9	22.1	0.8	2.0	471.6	468.8	470.4	467.0	457.3

Question : How severe of a problem is inadequate workspace for teachers outside their classrooms?
 Location : TQM3-14C (MT2GSPW0)

Country	Sample	Valid N	1.NOT A PROBLEM %	2.MINOR PROBLEM %	3.SERIO US PROBLEM %	Not Adminis tered %	Omitted %	1.NOT A PROBLEM Mean	2.MINOR PROBLEM Mean	3.SERIO US PROBLEM Mean	Not Adminis tered Mean	Omitted Mean
Armenia	71	70	36.2	49.9	13.9	0.0	1.2	404.9	461.4	398.5	.	477.9
Iran, Islamic Rep. of	185	183	43.5	32.5	23.9	0.0	0.9	509.0	486.7	491.8	.	403.4
Italy	130	129	20.2	34.4	45.4	0.3	0.0	402.6	446.0	470.5	573.0	.
Lebanon	271	263	58.5	26.8	14.8	0.3	2.4	544.2	544.7	542.6	502.0	574.9
Netherlands	118	115	16.5	38.6	44.9	3.2	0.0	555.7	552.6	552.0	539.6	.
Norway	120	117	33.2	49.5	17.3	0.0	2.4	444.4	441.4	430.5	.	389.2
Philippines	118	117	46.1	40.2	13.8	0.3	0.0	357.4	346.7	373.1	315.6	.
Russian Federation	166	165	47.3	35.0	17.7	0.2	0.0	566.8	556.4	554.0	623.5	.
Slovenia	96	95	34.5	34.2	31.3	0.6	0.0	456.0	469.6	448.0	335.6	.
Sweden	160	144	58.0	31.6	10.4	2.6	5.4	412.0	418.0	425.1	379.6	378.5
International Avg.	144	140	39.4	37.3	23.4	0.8	1.2	465.3	472.4	468.6	467.0	444.8

Question : How would you characterize teachers' job satisfaction within your school?
 Location : TQM3-15A (MT2GCHTS)

Country	Sample	Valid N	1.VERY HIGH %	2.HIGH %	3.MEDIU M %	4.LOW %	5.VERY LOW %	Not Adminis tered %	Omitted %	1.VERY HIGH Mean	2.HIGH Mean	3.MEDIU M Mean	4.LOW Mean	5.VERY LOW Mean	Not Adminis tered Mean	Omitted Mean
Armenia	71	70	.	25.7	70.0	4.3	.	0.0	2.9	.	467.7	424.8	374.1	.	.	402.5
Iran, Islamic Rep. of	185	184	16.6	33.6	29.5	9.8	10.4	0.0	0.7	497.7	500.7	496.4	487.3	495.1	.	456.2
Italy	130	129	3.6	10.8	64.4	19.1	2.1	0.3	0.0	517.2	459.2	449.5	425.2	452.9	573.0	.
Lebanon	271	263	31.4	41.9	26.4	0.4	.	0.3	2.3	546.3	547.2	539.2	573.4	.	502.0	543.6
Netherlands	118	114	3.3	41.1	51.9	3.4	0.3	3.2	0.9	545.9	551.1	554.3	551.2	634.9	539.6	555.4
Norway	120	117	22.5	49.6	21.0	6.9	.	0.0	2.7	440.4	437.3	436.9	457.7	.	.	435.7
Philippines	118	117	12.7	47.9	35.5	3.1	0.8	0.3	0.0	384.0	337.5	370.6	349.9	299.5	315.6	.
Russian Federation	166	164	4.3	35.4	55.1	5.2	.	0.2	0.9	593.9	585.2	548.0	502.0	.	623.5	570.9
Slovenia	96	92	5.9	29.4	59.7	5.1	.	0.6	3.7	476.5	477.9	449.5	392.9	.	335.6	498.4
Sweden	160	142	14.1	56.7	27.2	2.0	.	2.6	6.7	428.3	423.3	400.1	339.6	.	379.6	375.3
International Avg.	144	139	12.7	37.2	44.1	5.9	3.4	0.8	2.1	492.2	478.7	466.9	445.3	470.6	467.0	479.8

Question : How would you characterize teachers' understanding of the school's curricular goals within your school?
 Location : TQM3-15B (MT2GCHTU)

Country	Sample	Valid N	1.VERY HIGH %	2.HIGH %	3.MEDIU M %	4.LOW %	5.VERY LOW %	Not Adminis tered %	Omitted %	1.VERY HIGH Mean	2.HIGH Mean	3.MEDIU M Mean	4.LOW Mean	5.VERY LOW Mean	Not Adminis tered Mean	Omitted Mean
Armenia	71	70	8.3	62.9	28.8	.	.	0.0	2.9	399.6	451.1	405.4	.	.	.	402.5
Iran, Islamic Rep. of	185	183	25.5	48.4	22.2	2.7	1.2	0.0	1.1	489.7	504.7	491.8	480.7	442.8	.	511.9
Italy	130	129	8.9	33.8	46.7	10.6	.	0.3	0.0	482.0	439.1	439.4	489.2	.	573.0	.
Lebanon	271	261	33.5	46.3	18.4	1.8	.	0.3	2.5	542.3	550.4	535.0	531.9	.	502.0	558.5
Netherlands	118	115	.	31.6	51.2	17.2	.	3.2	0.0	.	547.7	556.4	551.8	.	539.6	.
Norway	120	116	11.2	67.8	18.9	2.1	.	0.0	3.5	458.9	432.7	447.7	475.5	.	.	436.0
Philippines	118	117	32.9	49.5	16.7	0.9	.	0.3	0.0	356.1	341.7	394.7	335.3	.	315.6	.
Russian Federation	166	165	8.8	72.9	18.4	.	.	0.2	0.0	591.5	559.1	553.2	.	.	623.5	.
Slovenia	96	92	10.2	53.2	36.5	0.2	.	0.6	3.7	444.4	466.2	446.2	404.1	.	335.6	498.4
Sweden	160	142	14.4	47.9	35.6	2.1	.	2.6	6.7	428.9	414.2	417.9	332.1	.	379.6	376.1
International Avg.	144	139	17.1	51.4	29.3	4.7	1.2	0.8	2.0	465.9	470.7	468.8	450.1	442.8	467.0	463.9

Question : How would you characterize teachers' degree of success in implementing the school's curriculum within your school?
 Location : TQM3-15C (MT2GCHDS)

Country	Sample	Valid N	1.VERY HIGH %	2.HIGH %	3.MEDIU M %	4.LOW %	5.VERY LOW %	Not Adminis tered %	Omitted %	1.VERY HIGH Mean	2.HIGH Mean	3.MEDIU M Mean	4.LOW Mean	5.VERY LOW Mean	Not Adminis tered Mean	Omitted Mean
Armenia	71	70	.	46.5	50.8	2.7	.	0.0	2.9	.	453.5	416.3	419.7	.	.	402.5
Iran, Islamic Rep. of	185	183	18.1	61.0	19.1	1.8	.	0.0	1.1	489.9	504.4	477.9	496.3	.	.	511.9
Italy	130	129	3.7	23.1	57.0	16.2	.	0.3	0.0	478.9	449.3	435.3	486.1	.	573.0	.
Lebanon	271	261	29.7	46.3	21.7	2.3	.	0.3	2.4	546.1	550.5	535.9	516.7	.	502.0	529.0
Netherlands	118	115	.	19.2	65.1	14.1	1.6	3.2	0.0	.	553.7	552.9	551.5	552.2	539.6	.
Norway	120	116	6.1	56.1	35.3	2.5	.	0.0	3.5	431.1	439.5	440.7	436.6	.	.	436.0
Philippines	118	117	19.6	54.3	25.5	.	0.5	0.3	0.0	363.2	357.5	343.6	.	385.3	315.6	.
Russian Federation	166	165	6.8	48.6	43.3	1.3	.	0.2	0.0	588.4	575.7	540.2	548.7	.	623.5	.
Slovenia	96	90	5.1	54.3	39.1	1.5	.	0.6	6.6	511.6	474.7	424.2	495.5	.	335.6	472.9
Sweden	160	142	15.8	61.9	22.3	.	.	2.6	6.6	427.3	416.1	406.7	.	.	379.6	378.3
International Avg.	144	139	13.1	47.1	37.9	5.3	1.1	0.8	2.3	479.6	477.5	457.4	493.9	468.7	467.0	455.1

Question : How would you characterize teachers' expectations for student achievement within your school?
 Location : TQM3-15D (MT2GCHTE)

Country	Sample	Valid N	1.VERY HIGH %	2.HIGH %	3.MEDIU M %	4.LOW %	5.VERY LOW %	Not Adminis tered %	Omitted %	1.VERY HIGH Mean	2.HIGH Mean	3.MEDIU M Mean	4.LOW Mean	5.VERY LOW Mean	Not Adminis tered Mean	Omitted Mean
Armenia	71	70	1.3	33.8	52.4	12.5	.	0.0	2.9	519.9	486.9	401.6	415.5	.	.	402.5
Iran, Islamic Rep. of	185	183	19.4	41.3	34.8	4.0	0.5	0.0	1.1	529.8	509.6	467.5	443.2	469.6	.	565.4
Italy	130	129	4.4	31.1	50.8	13.5	0.3	0.3	0.0	510.7	457.4	445.2	420.7	388.4	573.0	.
Lebanon	271	258	21.3	43.2	33.6	2.0	.	0.5	3.1	554.4	549.2	535.6	509.5	.	511.5	542.5
Netherlands	118	114	2.4	29.4	65.5	2.7	.	3.2	0.9	536.9	552.1	553.8	553.1	.	539.6	555.4
Norway	120	116	5.2	59.7	32.6	2.5	.	0.0	3.5	486.9	441.3	427.8	442.4	.	.	436.0
Philippines	118	117	16.7	66.9	16.4	.	.	0.3	0.0	402.6	343.9	353.1	.	.	315.6	.
Russian Federation	166	164	0.5	40.6	57.9	1.0	.	0.2	0.3	599.7	582.3	545.8	548.5	.	623.5	535.9
Slovenia	96	92	9.9	37.3	45.8	7.0	.	0.6	3.7	482.9	477.1	439.3	422.9	.	335.6	498.4
Sweden	160	142	15.9	57.9	24.2	2.1	.	2.6	6.7	425.1	422.4	396.0	398.3	.	379.6	376.1
International Avg.	144	139	9.7	44.1	41.4	5.2	0.4	0.8	2.2	504.9	482.2	456.6	461.6	429.0	468.3	489.0

Question : How would you characterize support for teachers' professional development within your school?
 Location : TQM3-15E (MT2GCHPD)

Country	Sample	Valid N	1.VERY HIGH %	2.HIGH %	3.MEDIU M %	4.LOW %	5.VERY LOW %	Not Adminis tered %	Omitted %	1.VERY HIGH Mean	2.HIGH Mean	3.MEDIU M Mean	4.LOW Mean	5.VERY LOW Mean	Not Adminis tered Mean	Omitted Mean
Armenia	71	70	7.1	45.2	39.1	8.0	0.6	0.0	2.9	426.0	437.8	441.0	391.4	303.0	.	402.5
Iran, Islamic Rep. of	185	184	13.9	30.6	31.2	10.0	14.3	0.0	0.7	509.1	504.1	492.2	512.9	469.5	.	456.2
Italy	130	129	1.4	20.2	39.7	33.7	4.9	0.3	0.0	434.0	467.9	434.7	452.8	452.3	573.0	.
Lebanon	271	252	16.9	37.6	31.0	11.8	2.7	0.3	6.3	549.2	549.7	540.0	542.0	511.4	502.0	547.7
Netherlands	118	114	3.4	28.2	43.5	23.3	1.6	3.2	0.9	565.1	552.2	553.6	547.6	595.0	539.6	555.4
Norway	120	115	2.5	19.0	42.3	30.7	5.4	0.0	4.1	461.5	441.3	429.0	447.6	454.0	.	438.5
Philippines	118	117	14.1	37.0	34.8	13.4	0.8	0.3	0.0	381.3	353.6	342.1	369.8	299.5	315.6	.
Russian Federation	166	165	8.2	57.1	31.3	3.4	.	0.2	0.0	579.0	566.0	548.4	545.1	.	623.5	.
Slovenia	96	93	19.2	44.6	33.5	2.7	.	0.6	2.4	470.2	463.3	442.9	452.1	.	335.6	483.7
Sweden	160	142	6.1	15.9	45.0	26.2	6.8	2.6	7.2	401.1	426.4	420.1	412.2	391.9	379.6	378.5
International Avg.	144	138	9.3	33.6	37.1	16.3	4.6	0.8	2.4	477.7	476.2	464.4	467.4	434.6	467.0	466.1

Question : How would you characterize parental support for student achievement within your school?
 Location : TQM3-15F (MT2GCHPS)

Country	Sample	Valid N	1.VERY HIGH %	2.HIGH %	3.MEDIU M %	4.LOW %	5.VERY LOW %	Not Adminis tered %	Omitted %	1.VERY HIGH Mean	2.HIGH Mean	3.MEDIU M Mean	4.LOW Mean	5.VERY LOW Mean	Not Adminis tered Mean	Omitted Mean
Armenia	71	70	1.2	3.4	60.4	30.5	4.5	0.0	2.9	471.7	477.5	437.1	429.8	370.7	.	402.5
Iran, Islamic Rep. of	185	184	4.8	30.2	39.1	20.3	5.6	0.0	0.7	543.4	522.2	495.2	466.3	445.0	.	456.2
Italy	130	129	5.0	20.0	40.0	29.7	5.2	0.3	0.0	449.2	458.1	458.4	429.7	440.7	573.0	.
Lebanon	271	260	9.2	20.7	45.4	16.4	8.3	0.3	3.0	570.0	550.8	541.7	537.1	529.1	502.0	560.4
Netherlands	118	112	1.7	22.4	62.0	12.7	1.2	3.2	3.9	539.0	557.8	554.6	540.7	545.8	539.6	545.5
Norway	120	112	1.7	11.4	50.4	30.0	6.6	0.0	6.6	474.0	430.0	436.1	448.7	453.2	.	414.8
Philippines	118	117	27.2	45.9	16.7	8.1	2.1	0.3	0.0	364.3	350.2	373.5	335.3	279.7	315.6	.
Russian Federation	166	165	0.8	11.5	66.5	19.5	1.7	0.2	0.0	609.4	597.1	564.5	525.3	559.3	623.5	.
Slovenia	96	93	.	26.5	53.1	20.1	0.3	0.6	2.4	.	494.2	448.1	435.7	356.4	335.6	483.7
Sweden	160	139	3.0	32.4	47.2	14.8	2.5	2.6	8.1	451.1	439.8	396.9	417.3	423.2	379.6	380.9
International Avg.	144	138	6.1	22.4	48.1	20.2	3.8	0.8	2.7	496.9	487.8	470.6	456.6	440.3	467.0	463.4

Question : How would you characterize parental involvement in school activities within your school?
 Location : TQM3-156 (MT2GCHPI)

Country	Sample	Valid N	1.VERY HIGH %	2.HIGH %	3.MEDIU M %	4.LOW %	5.VERY LOW %	Not Adminis tered %	Omitted %	1.VERY HIGH Mean	2.HIGH Mean	3.MEDIU M Mean	4.LOW Mean	5.VERY LOW Mean	Not Adminis tered Mean	Omitted Mean
Armenia	71	70	.	18.8	49.3	30.6	1.3	0.0	2.9	.	405.2	442.5	435.1	477.9	.	402.5
Iran, Islamic Rep. of	185	184	0.9	18.3	34.2	32.4	14.3	0.0	0.7	541.4	523.6	510.0	480.6	466.4	.	456.2
Italy	130	129	4.7	15.8	40.8	33.5	5.2	0.3	0.0	443.1	442.2	448.5	452.3	446.0	573.0	.
Lebanon	271	254	5.1	19.8	31.8	26.7	16.5	0.3	4.8	579.7	560.7	540.2	537.4	533.1	502.0	554.5
Netherlands	118	112	2.8	27.8	59.3	9.0	1.2	3.2	3.9	548.4	559.7	551.6	545.5	548.8	539.6	545.5
Norway	120	115	.	10.0	34.2	48.6	7.3	0.0	4.5	.	426.8	441.6	440.8	438.4	.	433.1
Philippines	118	117	14.8	42.9	28.9	9.0	4.5	0.3	0.0	373.1	358.4	352.5	342.0	310.6	315.6	.
Russian Federation	166	165	1.3	19.4	63.6	14.9	0.8	0.2	0.0	614.5	604.1	554.7	530.4	481.5	623.5	.
Slovenia	96	93	0.9	14.4	52.4	28.5	3.7	0.6	2.4	527.0	479.5	460.4	435.0	486.1	335.6	483.7
Sweden	160	140	0.7	7.6	29.7	43.6	18.4	2.6	9.0	480.3	439.8	425.7	405.4	410.8	379.6	389.9
International Avg.	144	138	3.9	19.5	42.4	27.7	7.3	0.8	2.8	513.4	480.0	472.8	460.5	460.0	467.0	466.5

Question : How would you characterize students' regard for school property within your school?
 Location : TQM3-15H (MT2GCHSR)

Country	Sample	Valid N	1.VERY HIGH %	2.HIGH %	3.MEDIU M %	4.LOW %	5.VERY LOW %	Not Adminis tered %	Omitted %	1.VERY HIGH Mean	2.HIGH Mean	3.MEDIU M Mean	4.LOW Mean	5.VERY LOW Mean	Not Adminis tered Mean	Omitted Mean
Armenia	71	70	3.5	18.9	61.3	15.7	0.6	0.0	2.9	447.1	470.8	428.8	409.9	303.0	.	402.5
Iran, Islamic Rep. of	185	183	4.7	29.4	39.6	18.8	7.7	0.0	1.3	524.6	535.2	486.8	463.2	460.4	.	531.4
Italy	130	129	2.3	14.0	56.5	22.2	4.9	0.3	0.0	483.9	482.4	445.1	437.9	420.1	573.0	.
Lebanon	271	262	12.0	34.2	38.7	12.8	2.3	0.3	1.9	551.7	553.1	542.6	527.0	528.1	502.0	541.1
Netherlands	118	113	2.5	20.8	67.3	8.4	1.1	3.2	3.0	556.2	561.2	551.2	551.7	525.5	539.6	542.6
Norway	120	116	5.7	29.2	48.2	16.9	.	0.0	3.5	443.3	420.1	451.2	437.5	.	.	436.0
Philippines	118	117	7.3	52.8	28.6	9.2	2.1	0.3	0.0	329.3	363.3	351.0	360.1	279.7	315.6	.
Russian Federation	166	165	.	23.1	67.7	9.1	0.1	0.2	0.0	.	575.2	560.2	529.2	588.7	623.5	.
Slovenia	96	93	0.7	18.4	61.9	14.9	4.0	0.6	2.4	519.8	481.9	459.3	417.0	457.2	335.6	483.7
Sweden	160	142	3.8	40.0	43.3	12.7	0.2	2.6	6.9	433.5	419.0	412.4	411.9	328.9	379.6	382.0
International Avg.	144	139	4.7	28.1	51.3	14.1	2.6	0.8	2.2	476.6	486.2	468.9	454.6	432.4	467.0	474.2

Question : How would you characterize students' desire to do well within your school?
 Location : TQM3-15I (MT2GCHSD)

Country	Sample	Valid N	1.VERY HIGH %	2.HIGH %	3.MEDIU M %	4.LOW %	5.VERY LOW %	Not Adminis tered %	Omitted %	1.VERY HIGH Mean	2.HIGH Mean	3.MEDIU M Mean	4.LOW Mean	5.VERY LOW Mean	Not Adminis tered Mean	Omitted Mean
Armenia	71	70	4.2	18.3	67.0	10.5	.	0.0	2.9	455.7	527.2	411.6	402.7	.	.	402.5
Iran, Islamic Rep. of	185	184	20.7	32.4	36.8	6.8	3.4	0.0	0.7	545.0	512.9	471.0	438.0	452.0	.	456.2
Italy	130	129	6.4	18.1	55.6	14.6	5.3	0.3	0.0	482.5	495.6	442.1	409.1	420.4	573.0	.
Lebanon	271	264	16.2	42.3	37.5	3.9	0.2	0.3	1.3	555.6	556.8	531.2	511.2	505.4	502.0	522.3
Netherlands	118	113	.	17.8	66.6	14.4	1.1	3.2	3.0	.	566.5	550.8	549.8	525.5	539.6	542.6
Norway	120	116	9.2	47.0	39.2	4.6	.	0.0	3.5	448.9	437.5	442.2	414.9	.	.	436.0
Philippines	118	116	15.6	50.8	28.8	4.8	.	0.3	1.0	365.9	363.0	340.0	326.0	.	315.6	374.4
Russian Federation	166	165	1.0	26.6	62.6	8.8	1.0	0.2	0.0	553.7	582.1	556.6	529.6	543.4	623.5	.
Slovenia	96	93	6.2	22.8	46.2	22.4	2.4	0.6	2.4	465.2	498.9	451.9	422.3	479.0	335.6	483.7
Sweden	160	143	21.6	46.5	31.0	0.9	.	2.6	6.4	442.3	419.8	392.1	393.5	.	379.6	376.2
International Avg.	144	139	11.2	32.3	47.1	9.2	2.2	0.8	2.1	479.4	496.0	459.0	439.7	487.6	467.0	449.2

Question : How many students are in the TIMSS class?
 Location : TQM3-16 (MT2MSTUD)

Country	Sample	Valid N	N.A. %	Omit %	Mean	Mode	Min	P5	P10	Q1	Median	Q3	P90	P95	Max
Armenia	71	59	0.0	17.8	23.4	23.0	10.0	15.0	16.0	20.0	23.0	25.0	31.0	34.0	34.0
Iran, Islamic Rep. of	185	183	0.0	0.9	30.0	25.0	7.0	12.0	17.0	24.0	28.0	34.0	48.0	56.0	60.0
Italy	130	129	0.3	0.0	21.2	22.0	11.0	15.0	16.0	18.0	22.0	24.0	26.0	26.0	29.0
Lebanon	271	269	0.3	0.0	18.2	8.0	3.0	6.0	7.0	11.0	17.0	23.0	31.0	38.0	60.0
Netherlands	118	114	3.2	1.2	17.2	13.0	2.0	8.0	9.0	13.0	17.0	22.0	26.0	28.0	34.0
Norway	120	116	0.0	2.2	20.7	17.0	6.0	11.0	13.0	17.0	21.0	25.0	28.0	29.0	29.0
Philippines	118	117	0.3	0.0	37.4	31.0	15.0	26.0	27.0	31.0	38.0	42.0	47.0	51.0	54.0
Russian Federation	166	165	0.2	0.0	23.3	24.0	5.0	16.0	18.0	21.0	24.0	26.0	28.0	29.0	32.0
Slovenia	96	95	0.6	0.0	28.0	29.0	14.0	20.0	22.0	27.0	29.0	31.0	33.0	33.0	35.0
Sweden	160	141	2.6	5.2	24.3	22.0	5.0	14.0	16.0	21.0	25.0	29.0	30.0	32.0	36.0
International Avg.	144	139	0.8	2.7	24.4	21.4	7.8	14.3	16.1	20.3	24.4	28.1	32.8	35.6	40.3

Question : How many minutes per week do you teach mathematics to the TIMSS class?
 Location : TQM3-17 (MT2MTIMT)

Country	Sample	Valid N	N.A. %	Omit %	Mean	Mode	Min	P5	P10	Q1	Median	Q3	P90	P95	Max
Armenia	71	58	0.0	19.6	278.8	270.0	90.0	225.0	225.0	225.0	270.0	300.0	360.0	360.0	675.0
Iran, Islamic Rep. of	185	183	0.0	1.7	296.8	180.0	120.0	160.0	180.0	180.0	255.0	360.0	540.0	540.0	900.0
Italy	130	129	0.3	0.0	218.2	180.0	150.0	150.0	150.0	165.0	200.0	280.0	300.0	300.0	360.0
Lebanon	271	268	0.3	0.2	518.6	550.0	11.0	250.0	300.0	500.0	550.0	570.0	650.0	720.0	1800
Netherlands	118	115	3.2	0.0	227.0	200.0	50.0	150.0	180.0	200.0	225.0	250.0	300.0	300.0	350.0
Norway	120	119	0.0	0.2	223.5	225.0	90.0	200.0	200.0	220.0	225.0	225.0	225.0	250.0	450.0
Philippines	118	117	0.3	0.0	309.5	300.0	60.0	150.0	200.0	300.0	300.0	300.0	360.0	480.0	1540
Russian Federation	166	164	0.2	0.4	349.2	360.0	80.0	135.0	240.0	320.0	360.0	400.0	450.0	495.0	675.0
Slovenia	96	95	0.6	0.0	227.1	225.0	180.0	180.0	225.0	225.0	225.0	225.0	270.0	270.0	300.0
Sweden	160	143	2.6	5.2	233.9	180.0	4.0	150.0	160.0	180.0	240.0	280.0	320.0	330.0	400.0
International Avg.	144	139	0.8	2.7	288.2	267.0	83.5	175.0	206.0	251.5	285.0	319.0	377.5	404.5	745.0

Question : How many minutes per week do you usually spend preparing to teach the TIMSS class?

Location : TQM3-18 (MT2MTIPM)

Country	Sample	Valid N	N.A. %	Omit %	Mean	Mode	Min	P5	P10	Q1	Median	Q3	P90	P95	Max
Armenia	71	58	0.0	18.5	262.8	300.0	0.0	45.0	60.0	138.0	270.0	360.0	450.0	600.0	720.0
Iran, Islamic Rep. of	185	182	0.0	2.1	200.8	180.0	0.0	20.0	30.0	70.0	180.0	300.0	480.0	500.0	1000
Italy	130	129	0.3	0.0	156.2	120.0	30.0	30.0	45.0	90.0	120.0	200.0	300.0	360.0	700.0
Lebanon	271	266	0.3	0.8	325.5	300.0	11.0	60.0	100.0	150.0	300.0	420.0	600.0	800.0	1000
Netherlands	118	115	3.2	0.0	73.1	60.0	0.0	10.0	20.0	40.0	60.0	100.0	150.0	160.0	200.0
Norway	120	119	0.0	0.9	162.2	100.0	10.0	45.0	60.0	100.0	150.0	200.0	300.0	375.0	600.0
Philippines	118	116	0.3	1.0	284.0	300.0	30.0	90.0	120.0	150.0	300.0	300.0	600.0	600.0	900.0
Russian Federation	166	159	0.2	2.2	492.5	300.0	30.0	120.0	180.0	300.0	420.0	700.0	900.0	960.0	1400
Slovenia	96	95	0.6	0.0	158.8	120.0	10.0	30.0	60.0	100.0	150.0	225.0	270.0	300.0	420.0
Sweden	160	142	2.6	5.6	144.9	60.0	0.0	30.0	50.0	75.0	120.0	200.0	260.0	300.0	600.0
International Avg.	144	138	0.8	3.1	226.1	184.0	12.1	48.0	72.5	121.3	207.0	300.5	431.0	495.5	754.0

Question : Do you use a textbook as the basis for instruction in teaching mathematics to the TIMSS class?
 Location : TQM3-19A (MT2MTBTC)

Country	Sample	Valid N	1.YES %	2.NO %	Not Adminis- tered %	Omitted %	1.YES Mean	2.NO Mean	Not Adminis- tered Mean	Omitted Mean
Armenia	71	59	100.0	.	0.0	17.2	434.4	.	.	425.1
Iran, Islamic Rep. of	185	185	95.9	4.1	0.0	0.0	494.4	550.7	.	.
Italy	130	129	97.8	2.2	0.3	0.0	448.9	424.4	573.0	.
Lebanon	271	264	87.0	13.0	0.3	1.9	545.2	543.2	502.0	543.2
Netherlands	118	115	100.0	.	3.2	0.0	552.9	.	539.6	.
Norway	120	120	100.0	.	0.0	0.0	439.2	.	.	.
Philippines	118	115	85.1	14.9	0.3	1.9	351.3	374.0	315.6	384.9
Russian Federation	166	165	83.2	16.8	0.2	0.0	557.2	579.2	623.5	.
Slovenia	96	95	94.1	5.9	0.6	0.0	458.0	459.7	335.6	.
Sweden	160	150	98.1	1.9	2.6	0.1	412.3	453.9	379.6	548.6
International Avg.	144	140	94.1	8.4	0.8	2.1	469.4	483.6	467.0	475.4

Question : Does each student have his or her own textbook?
 Location : TQM3-19B (MT2MOTXB)

Country	Sample	Valid N	1.YES %	2.NO %	Not Adminis- tered %	Omitted %	1.YES Mean	2.NO Mean	Not Adminis- tered Mean	Omitted Mean
Armenia	71	59	95.4	4.6	0.0	16.2	437.1	443.4	.	409.0
Iran, Islamic Rep. of	185	185	98.1	1.9	0.0	0.0	495.9	542.9	.	.
Italy	130	129	93.6	6.4	0.3	0.0	457.0	322.4	573.0	.
Lebanon	271	262	89.3	10.7	0.3	2.4	545.8	539.5	502.0	533.6
Netherlands	118	115	100.0	.	3.2	0.0	552.9	.	539.6	.
Norway	120	120	100.0	.	0.0	0.0	439.2	.	.	.
Philippines	118	117	32.4	67.6	0.3	0.0	375.9	345.3	315.6	.
Russian Federation	166	165	96.5	3.5	0.2	0.0	562.1	527.7	623.5	.
Slovenia	96	95	91.0	9.0	0.6	0.0	462.4	415.0	335.6	.
Sweden	160	150	100.0	.	2.6	0.1	413.1	.	379.6	548.6
International Avg.	144	140	89.6	14.8	0.8	1.9	474.1	448.0	467.0	497.1

Question : How often do you require students to do problems or exercises from their textbooks?

Location : TQM3-19CA (MT2MRDPE)

Country	Sample	Valid N	1.EVERY OR ALOMST EVERY LESSON %	2.ABOUT HALF THE LESSONS %	3.SOME LESSONS %	4.NEVER %	Not Adminis tered %	Omitted %	1.EVERY OR ALOMST EVERY LESSON Mean	2.ABOUT HALF THE LESSONS Mean	3.SOME LESSONS Mean	4.NEVER Mean	Not Adminis tered Mean	Omitted Mean
Armenia	71	60	90.5	4.3	5.1	.	0.0	15.3	440.3	426.9	396.3	.	.	406.8
Iran, Islamic Rep. of	185	185	83.4	12.3	4.0	0.3	0.0	0.0	494.4	514.2	500.4	411.7	.	.
Italy	130	129	89.9	6.0	4.2	.	0.3	0.0	450.0	385.8	504.0	.	573.0	.
Lebanon	271	265	77.0	13.8	8.1	1.1	0.3	1.2	544.5	548.7	540.5	535.7	502.0	561.1
Netherlands	118	115	95.7	1.8	2.4	.	3.2	0.0	552.5	561.9	560.8	.	539.6	.
Norway	120	120	90.6	8.5	0.9	.	0.0	0.0	440.7	427.7	399.7	.	.	.
Philippines	118	116	49.9	10.7	30.6	8.9	0.3	0.8	354.2	334.7	372.2	325.9	315.6	370.0
Russian Federation	166	165	62.0	23.8	14.2	.	0.2	0.0	552.6	553.1	610.1	.	623.5	.
Slovenia	96	95	56.7	11.2	25.0	7.0	0.6	0.0	451.4	454.3	455.3	529.0	335.6	.
Sweden	160	150	94.2	5.4	0.4	.	2.6	0.1	413.1	418.9	341.0	.	379.6	548.6
International Avg.	144	140	79.0	9.8	9.5	4.3	0.8	1.7	469.4	462.6	468.0	450.6	467.0	471.6

Question : How often do you require students to read the textbook examples of how to do problems or exercises?
 Location : TQM3-19CB (MT2MRDRT)

Country	Sample	Valid N	1.EVERY OR ALOMST EVERY LESSON %	2.ABOUT HALF THE LESSONS %	3.SOME LESSONS %	4.NEVER %	Not Adminis tered %	Omitted %	1.EVERY OR ALOMST EVERY LESSON Mean	2.ABOUT HALF THE LESSONS Mean	3.SOME LESSONS Mean	4.NEVER Mean	Not Adminis tered Mean	Omitted Mean
Armenia	71	60	46.3	24.5	25.9	3.4	0.0	15.3	447.6	432.4	428.6	402.5	.	406.8
Iran, Islamic Rep. of	185	185	76.7	15.2	7.8	0.3	0.0	0.0	496.5	490.8	514.8	411.7	.	.
Italy	130	129	34.3	23.6	39.4	2.7	0.3	0.0	438.5	447.8	458.4	433.6	573.0	.
Lebanon	271	263	45.7	23.1	25.9	5.3	0.3	1.7	543.8	541.5	548.3	546.3	502.0	562.4
Netherlands	118	115	44.6	21.6	26.3	7.6	3.2	0.0	551.0	555.1	551.1	563.2	539.6	.
Norway	120	120	38.5	25.9	34.7	0.9	0.0	0.0	447.2	426.3	441.2	394.9	.	.
Philippines	118	116	31.9	18.7	38.5	10.8	0.3	0.8	357.3	348.5	360.0	343.0	315.6	370.0
Russian Federation	166	165	25.6	14.9	48.9	10.6	0.2	0.0	557.7	551.0	563.6	569.4	623.5	.
Slovenia	96	94	9.7	18.1	47.9	24.3	0.6	1.8	459.8	444.9	446.4	485.8	335.6	521.0
Sweden	160	150	30.1	14.8	39.1	16.0	2.6	0.1	416.5	410.2	408.2	421.5	379.6	548.6
International Avg.	144	140	38.3	20.0	33.4	8.2	0.8	2.0	471.6	464.9	472.1	457.2	467.0	481.8

Question : How often do you require students to read about mathematics theory from their textbooks?
 Location : TQM3-19CC (MT2MRDMT)

Country	Sample	Valid N	1.EVERY OR ALOMST EVERY LESSON %	2.ABOUT HALF THE LESSONS %	3.SOME LESSONS %	4.NEVER %	Not Adminis tered %	Omitted %	1.EVERY OR ALOMST EVERY LESSON Mean	2.ABOUT HALF THE LESSONS Mean	3.SOME LESSONS Mean	4.NEVER Mean	Not Adminis tered Mean	Omitted Mean
Armenia	71	59	31.0	33.8	35.2	.	0.0	16.7	440.5	443.3	430.0	.	.	408.0
Iran, Islamic Rep. of	185	185	63.3	17.8	17.1	1.8	0.0	0.0	491.8	508.5	506.1	469.7	.	.
Italy	130	129	31.8	22.9	37.2	8.0	0.3	0.0	418.0	451.6	465.0	482.8	573.0	.
Lebanon	271	262	58.0	11.3	24.6	6.1	0.3	2.2	544.4	547.1	543.8	540.2	502.0	570.2
Netherlands	118	115	35.2	21.1	28.7	15.0	3.2	0.0	548.5	555.7	557.3	550.6	539.6	.
Norway	120	120	33.1	19.7	41.0	6.2	0.0	0.0	442.4	443.5	435.4	433.9	.	.
Philippines	118	116	26.5	18.7	42.3	12.5	0.3	0.8	353.8	344.4	367.2	333.1	315.6	370.0
Russian Federation	166	165	26.1	15.4	49.4	9.1	0.2	0.0	568.6	557.8	557.5	562.3	623.5	.
Slovenia	96	94	6.4	9.7	46.4	37.5	0.6	1.8	462.3	448.3	450.1	466.8	335.6	521.0
Sweden	160	149	14.2	13.3	55.5	17.0	2.6	0.9	434.8	414.9	407.6	415.5	379.6	351.4
International Avg.	144	139	32.6	18.4	37.8	12.6	0.8	2.2	470.5	471.5	472.0	472.8	467.0	444.1

Question : In a typical week of mathematics lessons for the TIMSS class, what percentage of time do students spend on teaching new material to the whole class?
 Location : TQM3-20A (MT2MPTNM)

Country	Sample	Valid N	N.A. %	Omit %	Mean	Mode	Min	P5	P10	Q1	Median	Q3	P90	P95	Max
Armenia	71	56	0.0	22.3	26.6	20.0	10.0	10.0	10.0	20.0	25.0	33.0	40.0	50.0	50.0
Iran, Islamic Rep. of	185	185	0.0	0.0	43.4	50.0	0.0	10.0	15.0	35.0	45.0	55.0	65.0	70.0	90.0
Italy	130	129	0.3	0.0	26.5	30.0	0.0	10.0	10.0	20.0	25.0	30.0	40.0	50.0	70.0
Lebanon	271	252	0.3	6.8	23.9	20.0	0.0	10.0	10.0	15.0	20.0	30.0	40.0	50.0	70.0
Netherlands	118	115	3.2	0.0	21.1	10.0	0.0	10.0	10.0	10.0	20.0	30.0	35.0	50.0	65.0
Norway	120	119	0.0	0.9	28.3	20.0	5.0	15.0	15.0	20.0	30.0	35.0	40.0	50.0	80.0
Philippines	118	117	0.3	0.0	25.9	30.0	3.0	5.0	10.0	15.0	25.0	35.0	40.0	50.0	60.0
Russian Federation	166	164	0.2	0.2	22.2	20.0	5.0	10.0	10.0	15.0	20.0	30.0	35.0	40.0	50.0
Slovenia	96	94	0.6	2.6	37.1	30.0	10.0	15.0	20.0	25.0	35.0	50.0	60.0	67.0	85.0
Sweden	160	149	2.6	0.3	25.8	30.0	0.0	10.0	15.0	20.0	25.0	30.0	40.0	40.0	50.0
International Avg.	144	138	0.8	3.3	28.1	26.0	3.3	10.5	12.5	19.5	27.0	35.8	43.5	51.7	67.0

Question : In a typical week of mathematics lessons for the TIMSS class, what percentage of time do students spend on working problems on their own or with other students?

Location : TQM3-20B (MT2MPTWP)

Country	Sample	Valid N	N.A. %	Omit %	Mean	Mode	Min	P5	P10	Q1	Median	Q3	P90	P95	Max
Armenia	71	56	0.0	22.3	23.5	20.0	3.0	3.0	10.0	15.0	20.0	30.0	40.0	40.0	55.0
Iran, Islamic Rep. of	185	185	0.0	0.0	15.0	10.0	0.0	5.0	5.0	10.0	12.0	20.0	30.0	30.0	55.0
Italy	130	129	0.3	0.0	13.0	10.0	0.0	0.0	5.0	10.0	10.0	20.0	20.0	30.0	40.0
Lebanon	271	252	0.3	6.8	21.8	20.0	0.0	8.0	10.0	14.0	20.0	25.0	40.0	50.0	78.0
Netherlands	118	115	3.2	0.0	43.5	50.0	0.0	20.0	20.0	30.0	40.0	50.0	68.0	75.0	90.0
Norway	120	119	0.0	0.9	38.7	50.0	4.0	20.0	20.0	30.0	40.0	50.0	60.0	60.0	71.0
Philippines	118	117	0.3	0.0	20.8	20.0	5.0	10.0	10.0	15.0	20.0	25.0	30.0	40.0	60.0
Russian Federation	166	164	0.2	0.2	28.2	20.0	10.0	14.0	15.0	20.0	30.0	35.0	45.0	50.0	52.0
Slovenia	96	94	0.6	2.6	17.7	20.0	0.0	0.0	3.0	10.0	20.0	25.0	33.0	40.0	50.0
Sweden	160	149	2.6	0.3	41.7	50.0	0.0	20.0	25.0	30.0	40.0	50.0	55.0	60.0	79.0
International Avg.	144	138	0.8	3.3	26.4	27.0	2.2	10.0	12.3	18.4	25.2	33.0	42.1	47.5	63.0

Question : In a typical week of mathematics lessons for the TIMSS class, what percentage of time do students spend on reviewing and summarizing
 what has been taught for the whole class?
 Location : TQM3-20C (MT2MPTRS)

Country	Sample	Valid N	N.A. %	Omit %	Mean	Mode	Min	P5	P10	Q1	Median	Q3	P90	P95	Max
Armenia	71	56	0.0	22.3	9.5	10.0	3.0	5.0	5.0	5.0	10.0	10.0	15.0	20.0	30.0
Iran, Islamic Rep. of	185	185	0.0	0.0	8.4	5.0	0.0	3.0	5.0	5.0	5.0	10.0	15.0	20.0	50.0
Italy	130	129	0.3	0.0	11.3	10.0	0.0	5.0	5.0	10.0	10.0	15.0	20.0	20.0	30.0
Lebanon	271	252	0.3	6.8	10.6	10.0	0.0	5.0	5.0	6.0	10.0	10.0	20.0	22.0	40.0
Netherlands	118	115	3.2	0.0	8.3	10.0	0.0	0.0	0.0	5.0	10.0	10.0	15.0	20.0	30.0
Norway	120	118	0.0	1.5	8.0	10.0	0.0	1.0	3.0	5.0	10.0	10.0	10.0	20.0	25.0
Philippines	118	116	0.3	1.7	10.1	10.0	0.0	5.0	5.0	5.0	10.0	10.0	20.0	20.0	30.0
Russian Federation	166	164	0.2	0.2	12.6	10.0	0.0	5.0	7.0	10.0	10.0	15.0	20.0	25.0	30.0
Slovenia	96	94	0.6	2.6	13.0	10.0	0.0	4.0	5.0	10.0	10.0	15.0	20.0	26.0	50.0
Sweden	160	149	2.6	0.3	10.3	10.0	0.0	2.0	5.0	5.0	10.0	10.0	20.0	20.0	30.0
International Avg.	144	138	0.8	3.5	10.2	9.5	0.3	3.5	4.5	6.6	9.5	11.5	17.5	21.3	34.5

Question : In a typical week of mathematics lessons for the TIMSS class, what percentage of time do students spend on reviewing homework?
 Location : TQM3-20D (MT2MPTRH)

Country	Sample	Valid N	N.A. %	Omit %	Mean	Mode	Min	P5	P10	Q1	Median	Q3	P90	P95	Max
Armenia	71	56	0.0	22.3	6.5	5.0	1.0	2.0	2.0	5.0	5.0	10.0	10.0	11.0	55.0
Iran, Islamic Rep. of	185	185	0.0	0.0	7.4	5.0	0.0	0.0	2.0	5.0	5.0	10.0	15.0	20.0	30.0
Italy	130	129	0.3	0.0	13.3	10.0	2.0	5.0	5.0	10.0	10.0	15.0	20.0	30.0	50.0
Lebanon	271	252	0.3	6.8	10.4	10.0	0.0	2.0	5.0	5.0	10.0	12.0	20.0	25.0	40.0
Netherlands	118	115	3.2	0.0	13.7	10.0	0.0	0.0	2.0	5.0	10.0	20.0	30.0	35.0	50.0
Norway	120	118	0.0	1.8	8.7	10.0	0.0	0.0	2.0	5.0	10.0	10.0	15.0	20.0	50.0
Philippines	118	117	0.3	0.0	8.2	5.0	0.0	4.0	5.0	5.0	8.0	10.0	14.0	15.0	20.0
Russian Federation	166	164	0.2	0.2	8.3	10.0	2.0	3.0	5.0	5.0	10.0	10.0	14.0	15.0	30.0
Slovenia	96	94	0.6	2.6	5.1	5.0	0.0	0.0	1.0	3.0	5.0	5.0	10.0	10.0	18.0
Sweden	160	145	2.6	2.0	4.9	0.0	0.0	0.0	0.0	0.0	5.0	10.0	10.0	10.0	30.0
International Avg.	144	138	0.8	3.6	8.7	7.0	0.5	1.6	2.9	4.8	7.8	11.2	15.8	19.1	37.3

Question : In a typical week of mathematics lessons for the TIMSS class, what percentage of time do students spend on re-teaching and clarifying content/procedures for the whole class?

Location : TQM3-20E (MT2MPTRT)

Country	Sample	Valid N	N.A. %	Omit %	Mean	Mode	Min	P5	P10	Q1	Median	Q3	P90	P95	Max
Armenia	71	56	0.0	22.3	12.1	10.0	2.0	4.0	5.0	5.0	10.0	15.0	22.0	45.0	45.0
Iran, Islamic Rep. of	185	185	0.0	0.0	6.9	5.0	0.0	0.0	2.0	5.0	5.0	10.0	10.0	20.0	30.0
Italy	130	129	0.3	0.0	11.6	10.0	0.0	5.0	5.0	7.0	10.0	15.0	20.0	20.0	50.0
Lebanon	271	252	0.3	6.8	11.4	10.0	0.0	5.0	5.0	6.0	10.0	15.0	20.0	20.0	55.0
Netherlands	118	115	3.2	0.0	7.1	5.0	0.0	0.0	0.0	5.0	5.0	10.0	14.0	15.0	20.0
Norway	120	116	0.0	2.5	6.9	5.0	0.0	0.0	0.0	4.0	5.0	10.0	15.0	20.0	30.0
Philippines	118	117	0.3	0.0	10.2	10.0	2.0	4.0	5.0	5.0	10.0	10.0	17.0	20.0	30.0
Russian Federation	166	164	0.2	0.2	9.4	10.0	0.0	3.0	5.0	5.0	10.0	10.0	15.0	20.0	30.0
Slovenia	96	94	0.6	2.6	8.5	10.0	0.0	0.0	1.0	5.0	10.0	10.0	20.0	20.0	30.0
Sweden	160	145	2.6	1.8	9.5	10.0	0.0	3.0	5.0	5.0	10.0	10.0	15.0	20.0	22.0
International Avg.	144	137	0.8	3.6	9.4	8.5	0.4	2.4	3.3	5.2	8.5	11.5	16.8	22.0	34.2

Question : In a typical week of mathematics lessons for the TIMSS class, what percentage of time do students spend on oral or written tests or quizzes?
 Location : TQM3-20F (MT2MPTTQ)

Country	Sample	Valid N	N.A. %	Omit %	Mean	Mode	Min	P5	P10	Q1	Median	Q3	P90	P95	Max
Armenia	71	56	0.0	22.3	14.8	15.0	3.0	5.0	5.0	10.0	15.0	20.0	25.0	30.0	30.0
Iran, Islamic Rep. of	185	184	0.0	0.5	9.8	5.0	0.0	3.0	5.0	5.0	10.0	10.0	20.0	20.0	50.0
Italy	130	129	0.3	0.0	18.5	20.0	5.0	5.0	10.0	10.0	20.0	25.0	30.0	30.0	50.0
Lebanon	271	252	0.3	6.8	11.2	10.0	0.0	5.0	5.0	8.0	10.0	15.0	20.0	20.0	50.0
Netherlands	118	115	3.2	0.0	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.0	6.0	10.0
Norway	120	117	0.0	1.8	7.2	10.0	0.0	0.0	1.0	5.0	8.0	10.0	10.0	15.0	15.0
Philippines	118	117	0.3	0.0	16.2	20.0	0.0	5.0	10.0	10.0	15.0	20.0	25.0	30.0	40.0
Russian Federation	166	164	0.2	0.2	16.1	10.0	3.0	8.0	10.0	10.0	15.0	20.0	25.0	30.0	50.0
Slovenia	96	94	0.6	2.6	11.5	10.0	1.0	5.0	5.0	10.0	10.0	11.0	20.0	25.0	35.0
Sweden	160	149	2.6	0.3	5.6	5.0	0.0	0.0	0.0	2.0	5.0	10.0	10.0	10.0	25.0
International Avg.	144	138	0.8	3.4	11.2	10.5	1.2	3.6	5.1	7.0	10.8	14.1	19.0	21.6	35.5

Question : In a typical week of mathematics lessons for the TIMSS class, what percentage of time do students spend on classroom management tasks
 not related to the lesson's content/purpose?

Location : TQM3-20G (MT2MPTCM)

Country	Sample	Valid N	N.A. %	Omit %	Mean	Mode	Min	P5	P10	Q1	Median	Q3	P90	P95	Max
Armenia	71	56	0.0	22.3	4.9	5.0	0.0	1.0	1.0	3.0	5.0	5.0	8.0	20.0	20.0
Iran, Islamic Rep. of	185	185	0.0	0.0	4.7	5.0	0.0	0.0	0.0	1.0	5.0	5.0	10.0	12.0	25.0
Italy	130	129	0.3	0.0	3.4	0.0	0.0	0.0	0.0	0.0	2.0	5.0	10.0	10.0	15.0
Lebanon	271	252	0.3	6.8	5.2	5.0	0.0	0.0	0.0	2.0	5.0	8.0	10.0	14.0	30.0
Netherlands	118	115	3.2	0.0	2.1	0.0	0.0	0.0	0.0	0.0	0.0	5.0	5.0	8.0	15.0
Norway	120	119	0.0	0.9	1.5	0.0	0.0	0.0	0.0	0.0	0.0	2.0	5.0	5.0	10.0
Philippines	118	117	0.3	0.0	5.2	5.0	0.0	1.0	2.0	3.0	5.0	5.0	10.0	10.0	20.0
Russian Federation	166	164	0.2	0.2	1.2	0.0	0.0	0.0	0.0	0.0	0.0	2.0	5.0	5.0	10.0
Slovenia	96	94	0.6	2.6	2.8	0.0	0.0	0.0	0.0	0.0	2.0	5.0	5.0	8.0	20.0
Sweden	160	147	2.6	2.4	1.8	0.0	0.0	0.0	0.0	0.0	0.0	2.0	5.0	5.0	25.0
International Avg.	144	138	0.8	3.5	3.3	2.0	0.0	0.2	0.3	0.9	2.4	4.4	7.3	9.7	19.0

Question : In a typical week of mathematics lessons for the TIMSS class, what percentage of time do students spend on classroom management tasks
 not related to the lesson's content/purpose?

Location : TQM3-20H (MT2MPT0A)

Country	Sample	Valid N	N.A. %	Omit %	Mean	Mode	Min	P5	P10	Q1	Median	Q3	P90	P95	Max
Armenia	71	56	0.0	22.3	3.2	5.0	0.0	0.0	0.0	1.0	4.0	5.0	5.0	6.0	10.0
Iran, Islamic Rep. of	185	185	0.0	0.0	4.3	0.0	0.0	0.0	0.0	0.0	5.0	5.0	10.0	10.0	25.0
Italy	130	129	0.3	0.0	2.3	0.0	0.0	0.0	0.0	0.0	0.0	5.0	9.0	10.0	25.0
Lebanon	271	252	0.3	6.8	4.8	0.0	0.0	0.0	0.0	0.0	4.0	5.0	11.0	17.0	30.0
Netherlands	118	115	3.2	0.0	2.7	0.0	0.0	0.0	0.0	0.0	0.0	5.0	5.0	10.0	65.0
Norway	120	119	0.0	0.9	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.0	5.0	10.0
Philippines	118	117	0.3	0.0	3.6	5.0	0.0	0.0	0.0	0.0	2.0	5.0	10.0	11.0	17.0
Russian Federation	166	164	0.2	0.2	2.0	0.0	0.0	0.0	0.0	0.0	0.0	4.0	5.0	9.0	20.0
Slovenia	96	94	0.6	2.6	4.4	5.0	0.0	0.0	0.0	1.0	5.0	5.0	10.0	10.0	20.0
Sweden	160	149	2.6	0.3	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	5.0	100.0
International Avg.	144	138	0.8	3.3	2.9	1.5	0.0	0.0	0.0	0.2	2.0	3.9	7.3	9.3	32.2

Question : In teaching mathematics to the students in the TIMSS class, how often do you usually ask them to memorize formulas and procedures?
 Location : TQM3-21A (MT2MHOMF)

Country	Sample	Valid N	1.EVERY OR ALMOST EVERY LESSON %	2.ABOUT HALF THE LESSONS %	3.SOME LESSONS %	4.NEVER %	Not Adminis- tered %	Omitted %	1.EVERY OR ALMOST EVERY LESSON Mean	2.ABOUT HALF THE LESSONS Mean	3.SOME LESSONS Mean	4.NEVER Mean	Not Adminis- tered Mean	Omitted Mean
Armenia	71	59	66.4	8.5	21.6	3.5	0.0	17.5	442.6	415.7	429.9	402.5	.	416.9
Iran, Islamic Rep. of	185	185	31.3	17.8	39.7	11.3	0.0	0.0	487.9	506.3	499.1	498.3	.	.
Italy	130	129	5.3	8.5	61.8	24.4	0.3	0.0	476.1	455.9	445.5	447.0	573.0	.
Lebanon	271	265	47.3	9.4	39.6	3.7	0.3	1.3	539.5	548.8	549.7	550.6	502.0	547.2
Netherlands	118	114	12.3	4.7	55.1	27.9	3.2	0.5	552.4	554.8	553.7	550.5	539.6	582.0
Norway	120	119	10.0	14.0	64.0	11.9	0.0	1.5	474.2	436.7	431.9	452.4	.	435.7
Philippines	118	116	27.4	12.0	57.0	3.6	0.3	1.0	346.0	361.5	359.9	355.6	315.6	267.3
Russian Federation	166	164	10.1	13.6	47.3	29.0	0.2	0.2	555.6	553.6	560.3	566.5	623.5	623.5
Slovenia	96	95	10.3	21.0	48.8	19.8	0.6	0.0	472.4	473.5	447.5	460.6	335.6	.
Sweden	160	149	6.3	11.0	51.8	30.8	2.6	0.5	411.0	432.8	404.5	421.2	379.6	420.9
International Avg.	144	140	22.7	12.1	48.7	16.6	0.8	2.3	475.8	474.0	468.2	470.5	467.0	470.5

Question : In teaching mathematics to the students in the TIMSS class, how often do you usually ask them to solve problems like the examples in their textbooks?
 Location : TQM3-21B (MT2MHOSP)

Country	Sample	Valid N	1.EVERY OR ALMOST EVERY LESSON %	2.ABOUT HALF THE LESSONS %	3.SOME LESSONS %	4.NEVER %	Not Adminis- tered %	Omitted %	1.EVERY OR ALMOST EVERY LESSON Mean	2.ABOUT HALF THE LESSONS Mean	3.SOME LESSONS Mean	4.NEVER Mean	Not Adminis- tered Mean	Omitted Mean
Armenia	71	59	70.2	23.1	6.8	.	0.0	17.5	444.0	418.1	416.4	.	.	416.9
Iran, Islamic Rep. of	185	185	67.7	24.0	6.7	1.6	0.0	0.0	497.2	491.9	523.9	436.3	.	.
Italy	130	129	39.1	33.5	26.2	1.2	0.3	0.0	433.1	451.1	464.9	512.4	573.0	.
Lebanon	271	265	53.8	28.8	16.9	0.5	0.3	1.3	540.6	546.7	555.0	553.7	502.0	547.2
Netherlands	118	114	87.0	8.1	3.5	1.4	3.2	0.5	552.8	548.7	554.8	563.0	539.6	582.0
Norway	120	119	47.1	35.4	16.1	1.4	0.0	1.5	436.3	446.3	435.1	407.3	.	435.7
Philippines	118	116	37.7	24.5	32.3	5.5	0.3	0.9	347.4	362.7	363.0	334.4	315.6	330.4
Russian Federation	166	163	20.5	30.2	48.0	1.3	0.2	0.8	570.8	541.2	567.0	575.6	623.5	660.2
Slovenia	96	94	53.9	24.0	22.1	.	0.6	2.1	466.2	432.1	463.2	.	335.6	496.4
Sweden	160	150	45.8	24.5	27.8	1.9	2.6	0.1	411.3	404.9	420.6	453.9	379.6	548.6
International Avg.	144	139	52.3	25.6	20.6	1.8	0.8	2.5	470.0	464.4	476.4	479.6	467.0	502.2

Question : In teaching mathematics to the students in the TIMSS class, how often do you usually ask them to use mathematical terms to represent relationships?
 Location : TQM3-21C (MT2MH0MT)

Country	Sample	Valid N	1.EVERY OR ALMOST EVERY LESSON %	2.ABOUT HALF THE LESSONS %	3.SOME LESSONS %	4.NEVER %	Not Adminis- tered %	Omitted %	1.EVERY OR ALMOST EVERY LESSON Mean	2.ABOUT HALF THE LESSONS Mean	3.SOME LESSONS Mean	4.NEVER Mean	Not Adminis- tered Mean	Omitted Mean
Armenia	71	59	24.2	32.7	43.1	.	0.0	17.5	429.8	422.1	450.4	.	.	416.9
Iran, Islamic Rep. of	185	185	55.9	29.4	13.7	1.0	0.0	0.0	491.3	508.4	499.3	425.3	.	.
Italy	130	129	55.2	20.0	22.3	2.5	0.3	0.0	445.1	437.9	465.1	454.7	573.0	.
Lebanon	271	261	67.0	16.1	16.6	0.3	0.3	3.3	545.9	549.2	538.9	532.6	502.0	534.4
Netherlands	118	113	11.1	28.7	56.2	4.0	3.2	1.3	558.8	554.8	551.4	551.5	539.6	528.3
Norway	120	117	17.2	24.9	52.8	5.1	0.0	2.9	435.4	446.9	435.6	447.2	.	448.7
Philippines	118	117	55.8	19.8	24.4	.	0.3	0.0	351.5	334.5	380.7	.	315.6	.
Russian Federation	166	164	66.7	12.7	20.6	.	0.2	0.2	560.2	568.5	557.5	.	623.5	623.5
Slovenia	96	95	31.5	34.9	33.6	.	0.6	0.0	461.0	462.9	450.5	.	335.6	.
Sweden	160	150	39.0	32.2	28.5	0.3	2.6	0.1	414.8	412.7	412.1	347.5	379.6	548.6
International Avg.	144	139	42.4	25.1	31.2	2.2	0.8	2.5	469.4	469.8	474.2	459.8	467.0	516.7

Question : In teaching mathematics to the students in the TIMSS class, how often do you usually ask them to discuss problem-solving strategies?
 Location : TQM3-21D (MT2MHODP)

Country	Sample	Valid N	1.EVERY OR ALMOST EVERY LESSON %	2.ABOUT HALF THE LESSONS %	3.SOME LESSONS %	4.NEVER %	Not Adminis- tered %	Omitted %	1.EVERY OR ALMOST EVERY LESSON Mean	2.ABOUT HALF THE LESSONS Mean	3.SOME LESSONS Mean	4.NEVER Mean	Not Adminis- tered Mean	Omitted Mean
Armenia	71	59	39.4	34.8	25.8	.	0.0	17.5	412.4	472.8	422.9	.	.	416.9
Iran, Islamic Rep. of	185	184	45.9	27.9	25.5	0.7	0.0	0.6	495.3	508.3	485.8	439.5	.	602.5
Italy	130	129	55.7	30.8	13.5	.	0.3	0.0	441.3	446.1	482.5	.	573.0	.
Lebanon	271	263	73.6	17.6	8.5	0.3	0.3	1.8	547.1	545.1	524.6	532.6	502.0	550.3
Netherlands	118	114	22.7	42.3	33.8	1.2	3.2	0.5	557.9	554.7	547.8	522.3	539.6	582.0
Norway	120	119	16.8	19.5	57.3	6.4	0.0	1.5	445.0	435.0	438.7	442.6	.	435.7
Philippines	118	117	48.7	29.6	21.7	.	0.3	0.0	352.0	372.4	339.0	.	315.6	.
Russian Federation	166	164	74.4	23.3	2.3	.	0.2	0.2	560.6	566.8	502.9	.	623.5	623.5
Slovenia	96	94	33.3	27.4	36.6	2.6	0.6	1.3	463.8	463.1	450.9	452.6	335.6	421.3
Sweden	160	150	28.7	36.3	35.0	.	2.6	0.1	413.3	420.2	405.7	.	379.6	548.6
International Avg.	144	139	43.9	29.0	26.0	2.2	0.8	2.3	468.9	478.5	460.1	477.9	467.0	522.6

Question : In teaching mathematics to the students in the TIMSS class, how often do you usually ask them to decide on their own procedures for solving complex problems?

Location : TQM3-21E (MT2MHODE)

Country	Sample	Valid N	1.EVERY OR ALMOST EVERY LESSON %	2.ABOUT HALF THE LESSONS %	3.SOME LESSONS %	4.NEVER %	Not Adminis tered %	Omitted %	1.EVERY OR ALMOST EVERY LESSON Mean	2.ABOUT HALF THE LESSONS Mean	3.SOME LESSONS Mean	4.NEVER Mean	Not Adminis tered Mean	Omitted Mean
Armenia	71	59	28.6	23.2	48.2	.	0.0	17.5	439.6	447.5	428.6	.	.	416.9
Iran, Islamic Rep. of	185	185	29.2	38.3	31.1	1.3	0.0	0.0	505.0	499.9	487.3	447.4	.	.
Italy	130	129	23.1	25.4	47.4	4.1	0.3	0.0	450.4	447.9	450.9	411.0	573.0	.
Lebanon	271	261	35.0	28.3	33.9	2.8	0.3	2.3	550.5	541.8	543.1	523.3	502.0	549.1
Netherlands	118	113	15.4	28.1	51.4	5.1	3.2	1.0	557.5	551.5	550.4	564.3	539.6	590.3
Norway	120	118	14.6	21.4	60.1	4.0	0.0	2.4	456.6	439.5	434.7	428.6	.	460.3
Philippines	118	117	35.4	32.3	32.3	.	0.3	0.0	350.8	366.2	349.1	.	315.6	.
Russian Federation	166	164	21.6	28.7	49.7	.	0.2	0.2	580.9	575.8	543.2	.	623.5	623.5
Slovenia	96	95	25.1	31.8	40.8	2.4	0.6	0.0	453.0	447.5	470.3	446.5	335.6	.
Sweden	160	150	21.9	27.7	49.0	1.4	2.6	0.1	417.7	409.8	413.9	382.4	379.6	548.6
International Avg.	144	139	25.0	28.5	44.4	3.0	0.8	2.3	476.2	472.7	467.2	457.7	467.0	531.5

Question : In teaching mathematics to the students in the TIMSS class, how often do you usually ask them to communicate their arguments?
 Location : TQM3-21F (MT2MHOCA)

Country	Sample	Valid N	1.EVERY OR ALMOST EVERY LESSON %	2.ABOUT HALF THE LESSONS %	3.SOME LESSONS %	4.NEVER %	Not Adminis- tered %	Omitted %	1.EVERY OR ALMOST EVERY LESSON Mean	2.ABOUT HALF THE LESSONS Mean	3.SOME LESSONS Mean	4.NEVER Mean	Not Adminis- tered Mean	Omitted Mean
Armenia	71	59	12.5	35.1	50.5	1.9	0.0	17.5	430.5	436.9	440.4	348.9	.	416.9
Iran, Islamic Rep. of	185	185	33.8	33.2	30.8	2.1	0.0	0.0	501.9	496.6	490.3	510.8	.	.
Italy	130	129	46.2	27.1	26.1	0.6	0.3	0.0	456.4	448.8	436.6	332.6	573.0	.
Lebanon	271	261	64.6	21.1	13.4	0.9	0.3	2.3	547.5	544.4	537.0	512.9	502.0	533.7
Netherlands	118	114	29.3	33.9	36.8	.	3.2	0.5	557.6	550.4	551.0	.	539.6	582.0
Norway	120	119	16.7	26.1	54.5	2.7	0.0	1.5	455.9	441.5	432.8	446.1	.	435.7
Philippines	118	117	49.0	23.6	26.2	1.2	0.3	0.0	341.0	370.7	368.2	348.8	315.6	.
Russian Federation	166	164	53.1	24.6	22.2	.	0.2	0.2	580.9	550.7	523.7	.	623.5	623.5
Slovenia	96	95	50.6	23.5	25.7	0.2	0.6	0.0	457.2	450.0	467.8	404.1	335.6	.
Sweden	160	150	19.7	25.1	49.7	5.4	2.6	0.1	423.2	404.8	411.4	430.4	379.6	548.6
International Avg.	144	139	37.6	27.3	33.6	1.9	0.8	2.2	475.2	469.5	465.9	416.8	467.0	523.4

Question : To what extent do students with different academic abilities limit how you teach the TIMSS class?

Location : TQM3-22A (MT2GLI01)

Country	Sample	Valid N	1.NOT AT ALL %	2.A LITTLE %	3.SOME %	4.A LOT %	Not Adminis- tered %	Omitted %	1.NOT AT ALL Mean	2.A LITTLE Mean	3.SOME Mean	4.A LOT Mean	Not Adminis- tered Mean	Omitted Mean
Armenia	71	60	20.4	36.3	34.5	8.8	0.0	16.4	429.9	441.0	437.2	403.4	.	426.0
Iran, Islamic Rep. of	185	185	2.1	14.8	50.3	32.8	0.0	0.0	436.6	513.8	510.5	472.0	.	.
Italy	130	129	2.1	19.4	48.2	30.3	0.3	0.0	410.6	478.3	455.5	420.6	573.0	.
Lebanon	271	260	6.1	37.2	40.4	16.3	0.3	3.2	538.5	556.1	538.6	534.3	502.0	558.0
Netherlands	118	115	3.3	46.4	42.0	8.4	3.2	0.0	582.3	550.8	553.9	547.7	539.6	.
Norway	120	120	4.2	28.1	56.6	11.1	0.0	0.0	438.5	449.4	434.7	436.9	.	.
Philippines	118	116	6.5	35.7	36.2	21.6	0.3	1.0	343.5	357.8	358.4	352.5	315.6	284.8
Russian Federation	166	165	2.2	11.9	45.8	40.1	0.2	0.0	553.4	590.7	567.5	544.8	623.5	.
Slovenia	96	94	6.0	27.6	47.0	19.4	0.6	0.4	455.3	461.9	465.8	435.5	335.6	433.2
Sweden	160	150	2.6	25.0	52.4	20.1	2.6	0.1	449.9	423.6	413.5	394.3	379.6	548.6
International Avg.	144	139	5.6	28.2	45.3	20.9	0.8	2.1	463.9	482.4	473.6	454.2	467.0	450.1

Question : To what extent do students who come from a wide range of backgrounds limit how you teach the TIMSS class?
 Location : TQM3-22B (MT2GLI02)

Country	Sample	Valid N	1.NOT AT ALL %	2.A LITTLE %	3.SOME %	4.A LOT %	Not Adminis- tered %	Omitted %	1.NOT AT ALL Mean	2.A LITTLE Mean	3.SOME Mean	4.A LOT Mean	Not Adminis- tered Mean	Omitted Mean
Armenia	71	59	35.2	34.5	22.7	7.6	0.0	17.9	450.0	435.2	425.2	396.6	.	421.7
Iran, Islamic Rep. of	185	185	20.8	28.4	37.9	12.8	0.0	0.0	515.9	498.6	483.7	500.2	.	.
Italy	130	129	32.5	50.6	13.8	3.1	0.3	0.0	463.6	449.9	424.6	369.9	573.0	.
Lebanon	271	259	28.0	43.6	23.4	5.0	0.3	3.8	543.1	548.1	541.5	530.7	502.0	559.8
Netherlands	118	115	48.0	46.6	5.1	0.3	3.2	0.0	553.5	551.8	558.7	518.5	539.6	.
Norway	120	119	47.1	28.2	19.7	5.1	0.0	0.9	445.0	439.9	432.1	412.3	.	422.1
Philippines	118	116	20.0	31.2	37.2	11.5	0.3	1.0	364.0	371.4	348.6	323.5	315.6	284.8
Russian Federation	166	165	58.3	33.6	8.0	.	0.2	0.0	569.5	551.2	539.1	.	623.5	.
Slovenia	96	95	77.7	15.9	6.4	.	0.6	0.0	459.8	456.2	442.7	.	335.6	.
Sweden	160	149	45.9	39.7	12.8	1.6	2.6	0.5	419.2	404.8	416.0	406.2	379.6	476.2
International Avg.	144	139	41.3	35.2	18.7	5.9	0.8	2.4	478.4	470.7	461.2	432.2	467.0	432.9

Question : To what extent do students with special needs limit how you teach the TIMSS class?
 Location : TQM3-22C (MT2GLI03)

Country	Sample	Valid N	1.NOT AT ALL %	2.A LITTLE %	3.SOME %	4.A LOT %	Not Adminis- tered %	Omitted %	1.NOT AT ALL Mean	2.A LITTLE Mean	3.SOME Mean	4.A LOT Mean	Not Adminis- tered Mean	Omitted Mean
Armenia	71	59	57.8	22.7	9.5	10.0	0.0	17.8	438.5	420.1	442.0	424.2	.	430.6
Iran, Islamic Rep. of	185	184	29.8	29.5	19.1	21.5	0.0	0.7	511.4	485.7	496.1	493.6	.	461.5
Italy	130	129	68.1	20.1	7.3	4.5	0.3	0.0	457.7	428.4	403.9	468.7	573.0	.
Lebanon	271	252	44.7	34.0	15.1	6.1	0.3	6.1	546.2	542.6	551.0	540.0	502.0	538.1
Netherlands	118	115	56.5	36.6	6.9	.	3.2	0.0	551.4	552.6	566.8	.	539.6	.
Norway	120	118	75.8	13.0	8.3	3.0	0.0	1.4	436.8	450.6	439.2	442.6	.	458.2
Philippines	118	114	58.0	25.1	12.1	4.8	0.3	3.4	357.2	333.5	360.3	458.5	315.6	319.6
Russian Federation	166	165	53.3	28.4	14.6	3.7	0.2	0.0	566.8	553.1	566.0	514.6	623.5	.
Slovenia	96	94	62.9	33.5	2.6	1.0	0.6	0.6	463.0	448.5	454.8	524.7	335.6	396.8
Sweden	160	150	62.7	29.1	7.7	0.5	2.6	0.1	415.6	415.4	382.5	440.1	379.6	548.6
International Avg.	144	138	57.0	27.2	10.3	6.1	0.8	3.0	474.4	463.1	466.2	478.6	467.0	450.5

Question : To what extent do uninterested students limit how you teach the TIMSS class?
 Location : TQM3-22D (MT2GLI04)

Country	Sample	Valid N	1.NOT AT ALL %	2.A LITTLE %	3.SOME %	4.A LOT %	Not Adminis- tered %	Omitted %	1.NOT AT ALL Mean	2.A LITTLE Mean	3.SOME Mean	4.A LOT Mean	Not Adminis- tered Mean	Omitted Mean
Armenia	71	59	6.2	25.6	55.2	13.0	0.0	17.8	388.2	452.7	428.5	436.6	.	430.6
Iran, Islamic Rep. of	185	184	5.5	20.5	34.6	39.5	0.0	0.5	526.4	509.1	495.6	488.6	.	403.1
Italy	130	129	2.6	23.0	39.8	34.6	0.3	0.0	539.6	464.1	449.1	430.1	573.0	.
Lebanon	271	257	15.9	44.2	29.1	10.8	0.3	4.2	539.0	552.8	534.0	544.6	502.0	559.2
Netherlands	118	115	10.4	38.3	49.2	2.1	3.2	0.0	554.9	560.4	547.6	529.6	539.6	.
Norway	120	119	21.2	47.5	27.0	4.4	0.0	0.7	443.3	439.8	430.5	458.5	.	496.8
Philippines	118	115	15.1	46.3	21.8	16.8	0.3	1.6	347.4	367.8	322.7	379.4	315.6	259.6
Russian Federation	166	165	9.9	23.8	38.7	27.6	0.2	0.0	585.6	568.2	550.0	560.9	623.5	.
Slovenia	96	95	3.1	33.0	35.9	28.1	0.6	0.0	522.7	472.2	449.3	445.8	335.6	.
Sweden	160	150	20.9	39.0	33.3	6.9	2.6	0.1	421.5	412.4	409.9	407.1	379.6	548.6
International Avg.	144	139	11.1	34.1	36.5	18.4	0.8	2.5	486.9	479.9	461.7	468.1	467.0	449.7

Question : To what extent do disruptive students limit how you teach the TIMSS class?
 Location : TQM3-22E (MT2GLI05)

Country	Sample	Valid N	1.NOT AT ALL %	2.A LITTLE %	3.SOME %	4.A LOT %	Not Adminis- tered %	Omitted %	1.NOT AT ALL Mean	2.A LITTLE Mean	3.SOME Mean	4.A LOT Mean	Not Adminis- tered Mean	Omitted Mean
Armenia	71	59	33.3	17.0	38.8	11.0	0.0	17.8	423.9	441.4	431.0	456.9	.	430.6
Iran, Islamic Rep. of	185	185	21.8	26.0	22.7	29.5	0.0	0.0	504.2	506.3	470.6	503.0	.	.
Italy	130	129	20.9	40.6	21.8	16.7	0.3	0.0	472.5	440.6	467.2	412.4	573.0	.
Lebanon	271	253	21.9	48.5	22.1	7.5	0.3	5.8	556.7	542.3	541.4	532.9	502.0	549.6
Netherlands	118	115	42.2	43.5	13.5	0.8	3.2	0.0	555.5	551.5	552.2	499.3	539.6	.
Norway	120	120	43.6	37.3	14.9	4.2	0.0	0.0	440.2	442.2	419.8	471.6	.	.
Philippines	118	114	23.8	41.9	23.7	10.6	0.3	2.1	367.9	359.8	332.3	363.4	315.6	338.7
Russian Federation	166	165	44.7	18.0	17.6	19.7	0.2	0.0	565.3	570.9	554.5	547.3	623.5	.
Slovenia	96	95	20.5	36.2	19.9	23.4	0.6	0.0	483.4	467.4	441.5	435.7	335.6	.
Sweden	160	150	57.0	30.0	8.9	4.0	2.6	0.1	419.0	404.4	403.5	415.5	379.6	548.6
International Avg.	144	139	33.0	33.9	20.4	12.7	0.8	2.6	478.9	472.7	461.4	463.8	467.0	466.9

Question : To what extent does a shortage of graphing calculators limit how you teach the TIMSS class?
 Location : TQM3-22F (MT2GLI06)

Country	Sample	Valid N	1.NOT AT ALL %	2.A LITTLE %	3.SOME %	4.A LOT %	Not Adminis- tered %	Omitted %	1.NOT AT ALL Mean	2.A LITTLE Mean	3.SOME Mean	4.A LOT Mean	Not Adminis- tered Mean	Omitted Mean
Armenia	71	59	29.6	11.2	51.2	8.0	0.0	18.2	443.0	539.3	411.9	412.2	.	421.2
Iran, Islamic Rep. of	185	185	47.7	28.1	13.1	11.0	0.0	0.0	512.3	482.4	490.2	474.0	.	.
Italy	130	129	53.5	31.4	9.4	5.7	0.3	0.0	461.5	436.6	425.6	427.8	573.0	.
Lebanon	271	252	42.2	32.1	9.9	15.7	0.5	5.2	545.4	547.9	549.7	531.9	508.2	551.9
Netherlands	118	115	84.0	15.0	0.9	.	3.2	0.0	552.7	553.4	559.7	.	539.6	.
Norway	120	120	87.2	11.9	1.0	.	0.0	0.0	441.6	429.3	346.7	.	.	.
Philippines	118	116	11.6	8.6	13.5	66.3	0.3	1.4	399.4	334.2	350.6	353.8	315.6	235.6
Russian Federation	166	164	57.8	21.3	13.4	7.6	0.2	0.4	573.2	550.1	542.5	532.3	623.5	506.3
Slovenia	96	94	65.9	19.7	8.5	5.9	0.6	2.4	458.2	456.6	472.8	457.9	335.6	419.5
Sweden	160	150	94.0	4.7	0.9	0.5	2.6	0.1	411.9	425.8	457.0	440.1	379.6	548.6
International Avg.	144	138	57.4	18.4	12.2	15.1	0.8	2.8	479.9	475.6	460.7	453.7	467.9	447.2

Question : To what extent does a shortage of computer hardware limit how you teach the TIMSS class?
 Location : TQM3-226 (MT2GLI07)

Country	Sample	Valid N	1.NOT AT ALL %	2.A LITTLE %	3.SOME %	4.A LOT %	Not Adminis- tered %	Omitted %	1.NOT AT ALL Mean	2.A LITTLE Mean	3.SOME Mean	4.A LOT Mean	Not Adminis- tered Mean	Omitted Mean
Armenia	71	59	22.0	16.7	46.7	14.6	0.0	18.2	403.4	416.4	463.3	415.7	.	421.2
Iran, Islamic Rep. of	185	184	44.4	26.5	15.4	13.7	0.0	0.5	510.6	482.1	493.6	481.8	.	556.5
Italy	130	129	56.1	29.9	13.1	0.9	0.3	0.0	456.5	443.5	425.3	440.2	573.0	.
Lebanon	271	251	37.5	34.2	13.4	14.9	0.3	5.9	544.7	542.8	548.1	547.5	502.0	544.5
Netherlands	118	114	53.1	26.9	18.9	1.1	3.2	1.1	553.1	550.8	557.8	545.3	539.6	520.4
Norway	120	119	82.8	10.6	6.6	.	0.0	1.1	441.1	423.6	440.0	.	.	445.4
Philippines	118	116	18.7	15.9	27.9	37.6	0.3	1.4	379.1	354.6	353.2	349.8	315.6	235.6
Russian Federation	166	165	40.8	20.4	28.7	10.1	0.2	0.0	574.8	545.1	552.7	559.5	623.5	.
Slovenia	96	95	41.9	28.8	20.4	8.8	0.6	0.0	466.0	462.7	437.9	452.8	335.6	.
Sweden	160	149	68.1	19.8	11.8	0.3	2.6	0.5	415.0	412.5	404.3	387.0	379.6	420.9
International Avg.	144	138	46.5	23.0	20.3	11.3	0.8	2.9	474.4	463.4	467.6	464.4	467.0	449.2

Question : To what extent does a shortage of computer software limit how you teach the TIMSS class?
 Location : TQM3-22H (MT2GLI08)

Country	Sample	Valid N	1.NOT AT ALL %	2.A LITTLE %	3.SOME %	4.A LOT %	Not Adminis- tered %	Omitted %	1.NOT AT ALL Mean	2.A LITTLE Mean	3.SOME Mean	4.A LOT Mean	Not Adminis- tered Mean	Omitted Mean
Armenia	71	59	13.6	28.3	38.8	19.3	0.0	18.2	422.2	453.9	437.1	414.1	.	421.2
Iran, Islamic Rep. of	185	184	39.7	25.2	21.4	13.8	0.0	0.7	513.0	481.5	496.4	482.3	.	415.6
Italy	130	129	45.8	36.8	16.4	0.9	0.3	0.0	458.7	444.7	428.5	440.2	573.0	.
Lebanon	271	248	42.3	28.5	12.9	16.3	0.3	7.1	544.9	545.6	545.4	544.2	502.0	542.6
Netherlands	118	114	57.0	19.6	22.3	1.1	3.2	1.1	552.3	551.1	557.9	545.3	539.6	520.4
Norway	120	119	74.4	17.5	7.5	0.6	0.0	1.1	439.7	436.0	438.9	472.5	.	445.4
Philippines	118	116	17.2	19.0	24.1	39.7	0.3	1.4	381.4	350.3	354.1	351.3	315.6	235.6
Russian Federation	166	164	36.0	20.7	35.6	7.7	0.2	0.7	578.8	547.8	553.8	550.6	623.5	498.6
Slovenia	96	95	47.6	29.5	14.0	8.9	0.6	0.0	461.9	461.0	430.7	471.5	335.6	.
Sweden	160	148	67.8	20.4	9.4	2.3	2.6	0.8	416.2	402.5	414.5	405.6	379.6	433.5
International Avg.	144	138	44.1	24.6	20.2	11.1	0.8	3.1	476.9	467.5	465.7	467.8	467.0	439.1

Question : To what extent does a shortage of support for using computers limit how you teach the TIMSS class?
 Location : TQM3-22I (MT2GLI09)

Country	Sample	Valid N	1.NOT AT ALL %	2.A LITTLE %	3.SOME %	4.A LOT %	Not Adminis- tered %	Omitted %	1.NOT AT ALL Mean	2.A LITTLE Mean	3.SOME Mean	4.A LOT Mean	Not Adminis- tered Mean	Omitted Mean
Armenia	71	58	15.0	22.1	44.3	18.5	0.0	19.5	438.4	402.3	463.6	400.4	.	425.7
Iran, Islamic Rep. of	185	182	39.8	24.8	22.1	13.3	0.0	1.5	514.2	494.9	478.9	482.9	.	452.2
Italy	130	129	44.3	38.3	13.0	4.3	0.3	0.0	458.0	440.6	429.4	476.3	573.0	.
Lebanon	271	250	40.3	33.4	10.9	15.4	0.3	6.5	541.2	545.8	558.1	543.4	502.0	544.1
Netherlands	118	114	59.1	23.3	14.2	3.4	3.2	1.1	552.4	550.8	560.7	553.1	539.6	520.4
Norway	120	119	68.5	23.0	7.3	1.2	0.0	1.1	442.2	432.2	443.1	377.5	.	445.4
Philippines	118	115	18.5	17.6	29.6	34.3	0.3	2.6	381.6	334.0	349.5	360.0	315.6	315.9
Russian Federation	166	164	40.0	21.6	28.4	9.9	0.2	0.7	573.6	548.8	553.3	549.2	623.5	668.7
Slovenia	96	95	48.1	25.6	14.6	11.8	0.6	0.0	471.6	451.5	446.6	432.1	335.6	.
Sweden	160	147	67.0	21.4	8.5	3.1	2.6	2.1	416.0	406.7	419.4	390.0	379.6	400.9
International Avg.	144	137	44.1	25.1	19.3	11.5	0.8	3.5	478.9	460.8	470.3	456.5	467.0	471.7

Question : To what extent does a shortage of textbooks for students' use limit how you teach the TIMSS class?
 Location : TQM3-22J (MT2GLI10)

Country	Sample	Valid N	1.NOT AT ALL %	2.A LITTLE %	3.SOME %	4.A LOT %	Not Adminis- tered %	Omitted %	1.NOT AT ALL Mean	2.A LITTLE Mean	3.SOME Mean	4.A LOT Mean	Not Adminis- tered Mean	Omitted Mean
Armenia	71	59	58.8	22.1	9.5	9.6	0.0	18.2	435.4	418.3	489.8	421.1	.	421.2
Iran, Islamic Rep. of	185	184	50.8	25.6	13.5	10.1	0.0	0.7	510.8	490.3	452.4	507.2	.	417.7
Italy	130	129	66.6	20.7	10.6	2.1	0.3	0.0	459.3	441.9	400.5	408.2	573.0	.
Lebanon	271	252	45.4	27.1	18.3	9.1	0.3	5.9	543.8	542.4	556.3	530.1	502.0	550.9
Netherlands	118	115	88.7	9.7	1.7	.	3.2	0.0	553.1	550.6	555.8	.	539.6	.
Norway	120	120	93.6	3.8	.	2.5	0.0	0.0	440.8	393.7	.	449.9	.	.
Philippines	118	117	21.8	17.1	19.5	41.6	0.3	0.0	362.4	405.2	337.5	339.2	315.6	.
Russian Federation	166	162	65.6	12.6	13.1	8.7	0.2	0.9	564.6	587.2	545.7	527.8	623.5	467.7
Slovenia	96	94	75.8	16.5	2.4	5.3	0.6	2.4	463.1	436.0	452.2	476.6	335.6	419.5
Sweden	160	150	96.0	1.4	0.7	1.9	2.6	0.1	411.8	419.5	470.5	453.9	379.6	548.6
International Avg.	144	138	66.3	15.7	9.9	10.1	0.8	2.8	474.5	468.5	473.4	457.1	467.0	470.9

Question : To what extent does a shortage of other instructional equipment for students' use limit how you teach the TIMSS class?
 Location : TQM3-22K (MT2GLI11)

Country	Sample	Valid N	1.NOT AT ALL %	2.A LITTLE %	3.SOME %	4.A LOT %	Not Adminis- tered %	Omitted %	1.NOT AT ALL Mean	2.A LITTLE Mean	3.SOME Mean	4.A LOT Mean	Not Adminis- tered Mean	Omitted Mean
Armenia	71	59	48.5	22.5	26.2	2.8	0.0	17.8	416.6	478.2	433.2	361.3	.	430.6
Iran, Islamic Rep. of	185	184	25.5	38.7	27.0	8.8	0.0	0.7	524.1	492.0	485.8	478.6	.	417.7
Italy	130	129	52.3	38.4	8.1	1.1	0.3	0.0	461.7	440.2	403.6	432.2	573.0	.
Lebanon	271	244	37.6	39.7	17.8	5.0	0.3	8.5	540.2	547.7	550.7	523.4	502.0	552.1
Netherlands	118	114	74.6	20.5	4.9	.	3.2	0.9	554.6	548.5	543.5	.	539.6	555.4
Norway	120	119	79.6	14.1	6.3	.	0.0	1.1	442.3	425.6	430.3	.	.	445.4
Philippines	118	117	14.7	24.4	31.9	29.0	0.3	0.0	375.0	388.7	332.2	342.5	315.6	.
Russian Federation	166	165	39.3	30.2	27.0	3.5	0.2	0.0	577.4	554.6	548.5	524.5	623.5	.
Slovenia	96	94	58.1	27.8	11.2	2.8	0.6	2.4	459.8	448.4	473.4	492.9	335.6	419.5
Sweden	160	149	81.8	15.1	3.1	.	2.6	0.5	415.0	404.9	404.1	.	379.6	420.9
International Avg.	144	137	51.2	27.1	16.3	7.6	0.8	3.2	476.7	472.9	460.5	450.8	467.0	463.1

Question : To what extent does a shortage of equipment for your use in demonstrations and other exercises limit how you teach the TIMSS class?
 Location : TQM3-22L (MT2GLI12)

Country	Sample	Valid N	1.NOT AT ALL %	2.A LITTLE %	3.SOME %	4.A LOT %	Not Adminis- tered %	Omitted %	1.NOT AT ALL Mean	2.A LITTLE Mean	3.SOME Mean	4.A LOT Mean	Not Adminis- tered Mean	Omitted Mean
Armenia	71	59	36.5	34.8	24.7	4.0	0.0	18.2	428.4	450.3	443.2	321.0	.	421.2
Iran, Islamic Rep. of	185	184	22.3	40.9	26.2	10.5	0.0	0.5	536.2	489.1	480.0	484.7	.	502.1
Italy	130	129	49.9	33.4	15.6	1.1	0.3	0.0	455.6	445.4	432.7	432.2	573.0	.
Lebanon	271	241	35.9	37.3	19.7	7.2	0.3	10.6	542.7	548.4	547.6	523.9	502.0	548.5
Netherlands	118	113	49.9	36.2	13.7	0.3	3.2	2.0	551.0	556.1	553.7	556.7	539.6	535.9
Norway	120	118	65.4	24.9	9.0	0.6	0.0	1.6	445.2	436.1	403.4	478.8	.	429.0
Philippines	118	117	16.3	24.3	31.0	28.5	0.3	0.0	373.3	383.9	339.9	337.1	315.6	.
Russian Federation	166	165	28.8	32.4	29.4	9.4	0.2	0.0	580.3	558.1	550.5	543.1	623.5	.
Slovenia	96	95	35.2	28.1	27.3	9.4	0.6	0.0	459.4	462.5	454.4	450.9	335.6	.
Sweden	160	149	66.2	26.5	6.9	0.3	2.6	0.5	413.2	415.7	404.1	386.4	379.6	420.9
International Avg.	144	137	40.6	31.9	20.3	7.1	0.8	3.3	478.6	474.6	461.0	451.5	467.0	476.3

Question : To what extent do inadequate physical facilities limit how you teach the TIMSS class?

Location : TQM3-22M (MT2GLI13)

Country	Sample	Valid N	1.NOT AT ALL %	2.A LITTLE %	3.SOME %	4.A LOT %	Not Adminis- tered %	Omitted %	1.NOT AT ALL Mean	2.A LITTLE Mean	3.SOME Mean	4.A LOT Mean	Not Adminis- tered Mean	Omitted Mean
Armenia	71	59	49.3	26.6	21.5	2.6	0.0	18.2	434.7	425.0	455.1	392.5	.	421.2
Iran, Islamic Rep. of	185	185	21.4	30.8	26.9	20.9	0.0	0.0	526.6	490.9	482.4	493.4	.	.
Italy	130	129	50.0	32.9	13.7	3.4	0.3	0.0	457.8	444.2	438.0	392.9	573.0	.
Lebanon	271	230	38.0	42.7	14.7	4.5	0.3	13.7	543.3	551.8	535.8	540.8	502.0	539.5
Netherlands	118	113	58.4	27.1	11.5	3.0	3.2	2.0	552.7	552.6	559.6	545.0	539.6	535.9
Norway	120	120	62.1	21.0	13.8	3.1	0.0	0.0	439.6	432.7	440.6	471.0	.	.
Philippines	118	115	20.3	34.9	29.9	14.9	0.3	1.6	377.2	364.9	341.6	327.2	315.6	381.8
Russian Federation	166	164	51.9	13.2	27.3	7.6	0.2	0.3	569.9	553.9	551.6	548.0	623.5	464.3
Slovenia	96	95	43.4	34.3	15.5	6.8	0.6	0.0	457.0	469.4	450.4	426.2	335.6	.
Sweden	160	150	68.6	28.1	2.7	0.7	2.6	0.1	407.7	427.2	400.6	423.9	379.6	548.6
International Avg.	144	136	46.3	29.2	17.7	6.8	0.8	3.6	476.6	471.3	465.6	456.1	467.0	481.9

Question : To what extent does a high student/teacher ratio limit how you teach the TIMSS class?
 Location : TQM3-22N (MT2GLI14)

Country	Sample	Valid N	1.NOT AT ALL %	2.A LITTLE %	3.SOME %	4.A LOT %	Not Adminis- tered %	Omitted %	1.NOT AT ALL Mean	2.A LITTLE Mean	3.SOME Mean	4.A LOT Mean	Not Adminis- tered Mean	Omitted Mean
Armenia	71	58	70.9	13.9	11.6	3.6	0.0	20.5	433.7	474.7	391.6	402.5	.	430.2
Iran, Islamic Rep. of	185	184	32.7	22.7	20.8	23.8	0.0	0.4	500.3	502.1	497.0	487.8	.	427.9
Italy	130	129	27.7	38.3	17.0	17.0	0.3	0.0	462.5	442.4	453.2	433.9	573.0	.
Lebanon	271	227	31.6	35.1	24.7	8.7	0.3	16.2	540.4	553.0	542.6	549.3	502.0	538.4
Netherlands	118	108	58.6	24.0	15.1	2.3	3.2	6.5	554.1	553.0	550.2	539.7	539.6	551.8
Norway	120	120	41.2	25.8	21.4	11.7	0.0	0.0	439.3	439.2	437.5	442.2	.	.
Philippines	118	117	34.0	33.4	16.9	15.7	0.3	0.0	390.9	335.7	359.4	315.1	315.6	.
Russian Federation	166	165	50.6	13.2	19.4	16.8	0.2	0.0	565.3	579.7	555.2	539.3	623.5	.
Slovenia	96	95	13.8	17.4	33.7	35.1	0.6	0.0	454.4	462.3	455.6	459.9	335.6	.
Sweden	160	150	37.5	25.4	33.2	3.9	2.6	0.1	415.2	403.6	417.5	417.8	379.6	548.6
International Avg.	144	135	39.8	24.9	21.4	13.8	0.8	4.4	475.6	474.6	466.0	458.7	467.0	499.4

Question : Approximately what percentage of teaching time will you have spent on algebra by the end of this school year?
 Location : TQM3-23A (MT2MPTAL)

Country	Sample	Valid N	N.A. %	Omit %	Mean	Mode	Min	P5	P10	Q1	Median	Q3	P90	P95	Max
Armenia	71	55	0.0	24.3	37.0	30.0	5.0	20.0	20.0	25.0	35.0	50.0	60.0	60.0	60.0
Iran, Islamic Rep. of	185	179	0.0	2.6	19.7	20.0	0.0	0.0	5.0	10.0	20.0	30.0	30.0	40.0	60.0
Italy	130	129	0.3	0.0	16.7	10.0	0.0	0.0	5.0	10.0	15.0	20.0	30.0	40.0	70.0
Lebanon	271	214	0.3	19.6	21.1	20.0	0.0	5.0	10.0	15.0	20.0	30.0	35.0	40.0	60.0
Netherlands	118	114	3.2	1.0	30.7	30.0	0.0	10.0	15.0	25.0	30.0	40.0	50.0	50.0	60.0
Norway	120	114	0.0	4.7	23.0	20.0	0.0	10.0	10.0	20.0	25.0	30.0	30.0	40.0	67.0
Philippines	118	117	0.3	0.0	29.9	30.0	0.0	5.0	10.0	20.0	30.0	40.0	50.0	60.0	80.0
Russian Federation	166	154	0.2	5.1	32.1	30.0	0.0	10.0	17.0	25.0	30.0	40.0	50.0	50.0	100.0
Slovenia	96	93	0.6	2.2	35.6	40.0	15.0	20.0	20.0	30.0	40.0	40.0	50.0	50.0	70.0
Sweden	160	143	2.6	3.5	23.9	20.0	0.0	10.0	10.0	20.0	25.0	30.0	35.0	40.0	50.0
International Avg.	144	131	0.8	6.3	27.0	25.0	2.0	9.0	12.2	20.0	27.0	35.0	42.0	47.0	67.7

Question : Approximately what percentage of teaching time will you have spent on calculus by the end of this school year?
 Location : TQM3-23B (MT2MPTCA)

Country	Sample	Valid N	N.A. %	Omit %	Mean	Mode	Min	P5	P10	Q1	Median	Q3	P90	P95	Max
Armenia	71	55	0.0	24.3	20.4	30.0	0.0	0.0	5.0	10.0	20.0	30.0	35.0	40.0	40.0
Iran, Islamic Rep. of	185	179	0.0	2.6	41.5	50.0	0.0	0.0	0.0	30.0	40.0	50.0	70.0	80.0	95.0
Italy	130	129	0.3	0.0	62.4	80.0	20.0	30.0	40.0	50.0	60.0	80.0	80.0	90.0	95.0
Lebanon	271	214	0.3	19.6	35.1	30.0	0.0	20.0	20.0	30.0	35.0	40.0	50.0	50.0	80.0
Netherlands	118	114	3.2	1.0	34.4	30.0	0.0	15.0	20.0	30.0	33.0	40.0	50.0	60.0	70.0
Norway	120	114	0.0	4.7	30.6	30.0	10.0	20.0	20.0	25.0	30.0	35.0	40.0	55.0	60.0
Philippines	118	117	0.3	0.0	36.9	20.0	0.0	5.0	10.0	20.0	30.0	50.0	75.0	80.0	100.0
Russian Federation	166	154	0.2	5.1	27.4	30.0	0.0	10.0	17.0	20.0	25.0	30.0	40.0	50.0	100.0
Slovenia	96	93	0.6	2.2	43.2	40.0	10.0	30.0	30.0	40.0	40.0	50.0	55.0	60.0	75.0
Sweden	160	143	2.6	3.5	42.2	40.0	0.0	30.0	30.0	40.0	40.0	50.0	50.0	55.0	65.0
International Avg.	144	131	0.8	6.3	37.4	38.0	4.0	16.0	19.2	29.5	35.3	45.5	54.5	62.0	78.0

Question : Approximately what percentage of teaching time will you have spent on geometry by the end of this school year?
 Location : TQM3-23C (MT2MPTGE)

Country	Sample	Valid N	N.A. %	Omit %	Mean	Mode	Min	P5	P10	Q1	Median	Q3	P90	P95	Max
Armenia	71	55	0.0	24.3	32.8	30.0	5.0	20.0	20.0	30.0	30.0	40.0	40.0	45.0	70.0
Iran, Islamic Rep. of	185	179	0.0	2.6	24.3	20.0	0.0	2.0	5.0	10.0	20.0	30.0	50.0	50.0	90.0
Italy	130	129	0.3	0.0	12.6	10.0	0.0	0.0	0.0	5.0	10.0	20.0	25.0	30.0	33.0
Lebanon	271	214	0.3	19.6	28.0	30.0	0.0	10.0	15.0	20.0	30.0	35.0	40.0	40.0	80.0
Netherlands	118	114	3.2	1.0	28.1	30.0	5.0	14.0	15.0	20.0	30.0	34.0	40.0	40.0	70.0
Norway	120	114	0.0	4.7	28.3	30.0	5.0	20.0	20.0	25.0	30.0	30.0	40.0	40.0	50.0
Philippines	118	117	0.3	0.0	26.6	30.0	0.0	5.0	10.0	15.0	30.0	35.0	40.0	50.0	60.0
Russian Federation	166	154	0.2	5.1	31.6	30.0	0.0	20.0	20.0	28.0	30.0	35.0	40.0	43.0	100.0
Slovenia	96	93	0.6	2.2	9.1	10.0	0.0	0.0	0.0	5.0	10.0	10.0	20.0	20.0	25.0
Sweden	160	143	2.6	3.5	32.3	30.0	0.0	15.0	20.0	25.0	30.0	40.0	45.0	50.0	65.0
International Avg.	144	131	0.8	6.3	25.4	25.0	1.5	10.6	12.5	18.3	25.0	30.9	38.0	40.8	64.3

Question : Approximately what percentage of teaching time will you have spent on other content areas by the end of this school year?
 Location : TQM3-23D (MT2MPTOT)

Country	Sample	Valid N	N.A. %	Omit %	Mean	Mode	Min	P5	P10	Q1	Median	Q3	P90	P95	Max
Armenia	71	55	0.0	24.3	9.9	10.0	0.0	0.0	0.0	0.0	10.0	20.0	20.0	30.0	88.0
Iran, Islamic Rep. of	185	179	0.0	2.6	14.4	0.0	0.0	0.0	0.0	0.0	10.0	20.0	35.0	50.0	95.0
Italy	130	129	0.3	0.0	8.3	0.0	0.0	0.0	0.0	0.0	0.0	10.0	30.0	40.0	70.0
Lebanon	271	214	0.3	19.6	15.4	0.0	0.0	0.0	0.0	0.0	10.0	25.0	35.0	50.0	70.0
Netherlands	118	114	3.2	1.0	6.9	0.0	0.0	0.0	0.0	0.0	0.0	10.0	20.0	20.0	50.0
Norway	120	114	0.0	4.7	17.4	20.0	0.0	0.0	0.0	10.0	20.0	25.0	30.0	30.0	70.0
Philippines	118	116	0.3	0.6	6.0	0.0	0.0	0.0	0.0	0.0	0.0	10.0	20.0	30.0	70.0
Russian Federation	166	154	0.2	5.1	8.9	0.0	0.0	0.0	0.0	0.0	8.0	12.0	20.0	25.0	50.0
Slovenia	96	93	0.6	2.2	12.1	0.0	0.0	0.0	0.0	0.0	10.0	20.0	30.0	30.0	32.0
Sweden	160	143	2.6	3.5	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.0	10.0	100.0
International Avg.	144	131	0.8	6.4	10.1	3.0	0.0	0.0	0.0	1.0	6.8	15.2	25.0	31.5	69.5

Question : When was operations with complex numbers taught to students in the TIMSS class?
 Location : TQM3-24AA (MT2MTP01)

Country	Sample	Valid N	1.MOSTL Y TAUGHT BEFORE THIS YEAR %	2.MOSTL Y TAUGHT THIS YEAR %	3.NOT YET TAUGHT OR JUST INTRODU CED %	Not Adminis tered %	Omitted %	1.MOSTL Y TAUGHT BEFORE THIS YEAR Mean	2.MOSTL Y TAUGHT THIS YEAR Mean	3.NOT YET TAUGHT OR JUST INTRODU CED Mean	Not Adminis tered Mean	Omitted Mean
Armenia	71	55	9.5	2.9	87.7	0.0	21.9	440.0	396.1	431.2	.	439.0
Iran, Islamic Rep. of	185	183	3.9	3.0	93.1	0.0	1.1	472.2	449.1	499.8	.	460.0
Italy	130	129	46.6	7.1	46.3	0.3	0.0	445.0	474.6	447.7	573.0	.
Lebanon	271	259	20.0	78.8	1.2	1.6	2.1	543.7	545.3	568.9	496.9	555.6
Netherlands	118	113	8.6	5.8	85.6	3.2	1.3	546.6	569.2	552.1	539.6	572.2
Norway	120	118	2.6	.	97.4	1.4	0.5	455.4	.	440.4	335.5	439.7
Philippines	118	116	49.9	12.5	37.7	0.3	0.9	364.5	355.9	343.5	315.6	319.8
Russian Federation	166	.	.	.	.	100.0	0.0	.	.	.	561.0	.
Slovenia	96	95	99.7	0.3	.	0.6	0.0	458.2	427.9	.	335.6	.
Sweden	160	148	4.2	9.3	86.5	2.6	0.2	425.7	418.3	412.0	379.6	432.4
International Avg.	144	135	27.2	14.9	66.9	11.0	2.8	461.3	454.6	461.9	442.1	459.8

Question : When was the nth term of numeric and algebraic series taught to students in the TIMSS class?
 Location : TQM3-24AB (MT2MTP02)

Country	Sample	Valid N	1.MOSTL Y TAUGHT BEFORE THIS YEAR %	2.MOSTL Y TAUGHT THIS YEAR %	3.NOT YET TAUGHT OR JUST INTRODU CED %	Not Adminis tered %	Omitted %	1.MOSTL Y TAUGHT BEFORE THIS YEAR Mean	2.MOSTL Y TAUGHT THIS YEAR Mean	3.NOT YET TAUGHT OR JUST INTRODU CED Mean	Not Adminis tered Mean	Omitted Mean
Armenia	71	55	78.5	16.2	5.3	0.0	23.4	449.8	351.6	437.9	.	431.1
Iran, Islamic Rep. of	185	182	14.4	78.1	7.5	0.0	2.2	485.9	500.6	484.7	.	473.7
Italy	130	129	11.7	22.7	65.6	0.3	0.0	457.4	447.3	447.2	573.0	.
Lebanon	271	250	28.5	63.8	7.8	1.7	4.8	547.8	544.8	536.9	494.9	556.3
Netherlands	118	114	36.3	59.9	3.7	3.2	1.0	552.8	553.1	549.6	539.6	553.7
Norway	120	120	2.8	93.9	3.3	0.0	0.0	423.0	439.9	435.1	.	.
Philippines	118	116	69.1	11.6	19.3	0.3	0.9	367.4	339.2	323.0	315.6	319.8
Russian Federation	166	.	.	.	.	100.0	0.0	.	.	.	561.0	.
Slovenia	96	95	3.4	96.6	.	0.6	0.0	435.6	458.9	.	335.6	.
Sweden	160	144	60.6	21.8	17.6	2.6	2.1	412.0	418.3	408.0	379.6	439.0
International Avg.	144	134	33.9	51.6	16.3	10.9	3.4	459.1	450.4	452.8	457.0	462.3

Question : When was probability taught to students in the TIMSS class?
 Location : TQM3-24AC (MT2MTP03)

Country	Sample	Valid N	1.MOSTL Y TAUGHT BEFORE THIS YEAR %	2.MOSTL Y TAUGHT THIS YEAR %	3.NOT YET TAUGHT OR JUST INTRODU CED %	Not Adminis tered %	Omitted %	1.MOSTL Y TAUGHT BEFORE THIS YEAR Mean	2.MOSTL Y TAUGHT THIS YEAR Mean	3.NOT YET TAUGHT OR JUST INTRODU CED Mean	Not Adminis tered Mean	Omitted Mean
Armenia	71	56	23.0	65.7	11.2	0.0	21.3	397.4	445.4	417.0	.	438.8
Iran, Islamic Rep. of	185	177	46.1	46.4	7.5	0.0	3.5	497.4	496.0	488.4	.	515.8
Italy	130	129	24.8	20.8	54.5	0.3	0.0	452.0	499.4	427.3	573.0	.
Lebanon	271	251	21.9	71.1	7.0	2.7	2.6	546.3	547.2	530.7	498.1	553.5
Netherlands	118	113	81.6	18.4	.	3.2	2.3	552.6	553.7	.	539.6	556.7
Norway	120	119	62.4	30.9	6.7	0.0	0.5	444.9	430.3	430.5	.	390.6
Philippines	118	115	54.4	18.1	27.5	0.3	1.8	371.9	348.4	326.0	315.6	365.6
Russian Federation	166	.	.	.	.	100.0	0.0	.	.	.	561.0	.
Slovenia	96	95	2.0	86.7	11.3	0.6	0.0	506.8	454.3	479.0	335.6	.
Sweden	160	144	34.8	2.0	63.2	2.6	2.8	418.3	378.0	410.8	379.6	427.4
International Avg.	144	133	39.0	40.0	23.6	11.0	3.5	465.3	461.4	438.7	457.5	464.1

Question : When was quadratic equations and inequations taught to students in the TIMSS class?
 Location : TQM3-24AD (MT2MTP04)

Country	Sample	Valid N	1.MOSTL Y TAUGHT BEFORE THIS YEAR %	2.MOSTL Y TAUGHT THIS YEAR %	3.NOT YET TAUGHT OR JUST INTRODU CED %	Not Adminis tered %	Omitted %	1.MOSTL Y TAUGHT BEFORE THIS YEAR Mean	2.MOSTL Y TAUGHT THIS YEAR Mean	3.NOT YET TAUGHT OR JUST INTRODU CED Mean	Not Adminis tered Mean	Omitted Mean
Armenia	71	55	78.7	17.6	3.7	0.0	22.7	426.9	460.7	402.5	.	435.6
Iran, Islamic Rep. of	185	184	76.6	19.0	4.4	0.0	0.4	494.9	503.1	489.2	.	644.9
Italy	130	129	90.0	7.2	2.8	0.3	0.0	452.4	422.9	386.8	573.0	.
Lebanon	271	252	24.6	72.0	3.4	2.8	3.8	540.7	545.5	572.5	524.2	547.9
Netherlands	118	113	85.7	14.3	.	3.2	2.3	553.8	546.9	.	539.6	556.7
Norway	120	119	86.7	12.6	0.6	0.0	1.4	443.4	419.8	387.6	.	378.4
Philippines	118	116	64.1	33.3	2.6	0.3	0.9	371.1	330.8	288.6	315.6	319.8
Russian Federation	166	.	.	.	.	100.0	0.0	.	.	.	561.0	.
Slovenia	96	95	100.0	.	.	0.6	0.0	458.1	.	.	335.6	.
Sweden	160	146	84.9	12.8	2.3	2.6	1.6	411.7	418.9	421.7	379.6	435.9
International Avg.	144	134	76.8	23.6	2.8	11.0	3.3	461.4	456.1	421.3	461.2	474.2

Question : When was equivalent representations taught to students in the TIMSS class?
 Location : TQM3-24AE (MT2MTP05)

Country	Sample	Valid N	1.MOSTL Y TAUGHT BEFORE THIS YEAR %	2.MOSTL Y TAUGHT THIS YEAR %	3.NOT YET TAUGHT OR JUST INTRODU CED %	Not Adminis tered %	Omitted %	1.MOSTL Y TAUGHT BEFORE THIS YEAR Mean	2.MOSTL Y TAUGHT THIS YEAR Mean	3.NOT YET TAUGHT OR JUST INTRODU CED Mean	Not Adminis tered Mean	Omitted Mean
Armenia	71	56	77.9	15.8	6.3	0.0	21.3	440.0	404.1	390.1	.	438.8
Iran, Islamic Rep. of	185	184	79.3	15.9	4.9	0.0	0.4	495.8	505.4	474.0	.	644.9
Italy	130	129	70.1	22.0	8.0	0.3	0.0	457.0	428.9	426.2	573.0	.
Lebanon	271	248	45.0	46.6	8.4	1.9	4.1	546.4	544.0	541.8	508.7	557.8
Netherlands	118	111	84.3	10.1	5.6	3.2	4.1	554.0	547.8	549.8	539.6	546.8
Norway	120	117	76.5	17.1	6.4	0.0	2.1	449.0	404.8	431.8	.	387.2
Philippines	118	114	62.9	35.1	1.9	0.3	1.6	364.6	344.8	297.3	315.6	287.6
Russian Federation	166	.	.	.	.	100.0	0.0	.	.	.	561.0	.
Slovenia	96	93	90.6	5.2	4.3	0.6	0.8	454.7	488.1	506.3	335.6	398.3
Sweden	160	145	76.3	14.5	9.2	2.6	2.3	413.1	414.9	409.0	379.6	423.5
International Avg.	144	133	73.7	20.2	6.1	10.9	3.7	463.8	453.7	447.4	459.0	460.6

Question : When was values of functions taught to students in the TIMSS class?
 Location : TQM3-24AF (MT2MTP06)

Country	Sample	Valid N	1.MOSTL Y TAUGHT BEFORE THIS YEAR %	2.MOSTL Y TAUGHT THIS YEAR %	3.NOT YET TAUGHT OR JUST INTRODU CED %	Not Adminis tered %	Omitted %	1.MOSTL Y TAUGHT BEFORE THIS YEAR Mean	2.MOSTL Y TAUGHT THIS YEAR Mean	3.NOT YET TAUGHT OR JUST INTRODU CED Mean	Not Adminis tered Mean	Omitted Mean
Armenia	71	56	62.6	28.8	8.5	0.0	21.3	427.1	440.0	430.7	.	438.8
Iran, Islamic Rep. of	185	184	84.9	10.9	4.2	0.0	0.4	496.5	504.5	469.8	.	644.9
Italy	130	129	40.2	58.4	1.4	0.3	0.0	460.8	440.1	439.8	573.0	.
Lebanon	271	254	46.4	49.1	4.5	2.2	3.9	550.9	540.5	550.6	511.9	537.9
Netherlands	118	111	86.2	13.0	0.8	3.2	3.3	554.3	545.7	499.3	539.6	557.4
Norway	120	118	80.7	19.3	.	0.0	1.5	443.5	426.5	.	.	376.3
Philippines	118	116	48.6	49.1	2.3	0.3	0.9	370.9	343.0	300.8	315.6	319.8
Russian Federation	166	.	.	.	.	100.0	0.0	.	.	.	561.0	.
Slovenia	96	94	87.2	12.8	.	0.6	0.2	461.0	439.1	.	335.6	404.1
Sweden	160	145	71.6	22.2	6.1	2.6	3.0	413.1	418.3	401.7	379.6	402.6
International Avg.	144	134	67.6	29.3	4.0	10.9	3.4	464.2	455.3	441.8	459.5	460.2

Question : When was limits of functions taught to students in the TIMSS class?
 Location : TQM3-24BA (MT2MTP07)

Country	Sample	Valid N	1.MOSTL Y TAUGHT BEFORE THIS YEAR %	2.MOSTL Y TAUGHT THIS YEAR %	3.NOT YET TAUGHT OR JUST INTRODU CED %	Not Adminis tered %	Omitted %	1.MOSTL Y TAUGHT BEFORE THIS YEAR Mean	2.MOSTL Y TAUGHT THIS YEAR Mean	3.NOT YET TAUGHT OR JUST INTRODU CED Mean	Not Adminis tered Mean	Omitted Mean
Armenia	71	55	43.1	48.2	8.7	0.0	22.8	421.8	440.0	430.7	.	437.6
Iran, Islamic Rep. of	185	180	55.9	40.7	3.4	0.0	2.3	488.9	509.3	479.4	.	492.0
Italy	130	129	20.9	77.5	1.6	0.3	0.0	407.8	460.7	381.6	573.0	.
Lebanon	271	255	49.7	49.8	0.5	2.2	2.1	543.3	545.7	540.7	544.8	555.6
Netherlands	118	114	6.9	61.7	31.5	3.2	1.0	562.9	551.4	553.6	539.6	553.7
Norway	120	119	67.0	16.9	16.1	0.0	1.4	445.3	421.5	438.0	.	378.4
Philippines	118	117	14.1	74.0	11.8	0.3	0.0	405.0	349.6	331.3	315.6	.
Russian Federation	166	.	.	.	.	100.0	0.0	.	.	.	561.0	.
Slovenia	96	95	1.8	98.2	.	0.6	0.0	409.4	459.0	.	335.6	.
Sweden	160	145	43.9	33.2	22.9	2.6	1.6	412.7	419.4	403.4	379.6	438.1
International Avg.	144	134	33.7	55.6	12.1	10.9	3.1	455.2	461.8	444.8	464.2	475.9

Question : When was differentiation of functions taught to students in the TIMSS class?
 Location : TQM3-24BB (MT2MTP08)

Country	Sample	Valid N	1.MOSTL Y TAUGHT BEFORE THIS YEAR %	2.MOSTL Y TAUGHT THIS YEAR %	3.NOT YET TAUGHT OR JUST INTRODU CED %	Not Adminis tered %	Omitted %	1.MOSTL Y TAUGHT BEFORE THIS YEAR Mean	2.MOSTL Y TAUGHT THIS YEAR Mean	3.NOT YET TAUGHT OR JUST INTRODU CED Mean	Not Adminis tered Mean	Omitted Mean
Armenia	71	55	38.6	48.5	13.0	0.0	22.8	426.9	434.0	434.7	.	437.6
Iran, Islamic Rep. of	185	179	51.8	44.8	3.4	0.0	2.7	489.9	504.7	479.4	.	520.0
Italy	130	129	17.1	80.4	2.5	0.3	0.0	395.8	461.1	400.6	573.0	.
Lebanon	271	251	14.5	83.0	2.6	2.1	4.2	550.5	544.0	544.7	515.6	553.7
Netherlands	118	113	51.3	48.7	.	3.2	2.3	556.2	549.1	.	539.6	556.7
Norway	120	118	43.4	54.9	1.7	0.0	2.1	443.3	437.4	447.7	.	396.1
Philippines	118	117	10.9	70.3	18.8	0.3	0.0	380.2	358.1	330.2	315.6	.
Russian Federation	166	.	.	.	.	100.0	0.0	.	.	.	561.0	.
Slovenia	96	95	1.8	97.9	0.3	0.6	0.0	409.4	459.1	427.9	335.6	.
Sweden	160	144	40.4	59.6	.	2.6	2.1	405.0	417.6	.	379.6	444.1
International Avg.	144	133	30.0	65.3	6.0	10.9	3.6	450.8	462.8	437.9	460.0	484.7

Question : When was derivatives as a means of solving problems taught to students in the TIMSS class?
 Location : TQM3-24BC (MT2MTP09)

Country	Sample	Valid N	1.MOSTL Y TAUGHT BEFORE THIS YEAR %	2.MOSTL Y TAUGHT THIS YEAR %	3.NOT YET TAUGHT OR JUST INTRODU CED %	Not Adminis tered %	Omitted %	1.MOSTL Y TAUGHT BEFORE THIS YEAR Mean	2.MOSTL Y TAUGHT THIS YEAR Mean	3.NOT YET TAUGHT OR JUST INTRODU CED Mean	Not Adminis tered Mean	Omitted Mean
Armenia	71	54	24.6	40.4	35.0	0.0	24.2	442.0	445.1	408.5	.	436.7
Iran, Islamic Rep. of	185	181	51.4	44.6	4.1	0.0	1.8	500.5	494.2	478.3	.	497.8
Italy	130	129	13.7	79.8	6.4	0.3	0.0	398.1	463.4	369.3	573.0	.
Lebanon	271	252	31.7	49.2	19.0	2.4	4.2	548.8	545.4	542.6	511.3	536.4
Netherlands	118	113	56.1	43.9	.	3.2	2.3	556.0	548.6	.	539.6	556.7
Norway	120	118	47.5	51.3	1.2	0.0	2.1	444.8	436.3	421.0	.	396.1
Philippines	118	116	7.2	46.3	46.5	0.3	0.8	394.4	365.8	338.7	315.6	350.7
Russian Federation	166	.	.	.	.	100.0	0.0	.	.	.	561.0	.
Slovenia	96	94	1.8	63.1	35.0	0.6	0.8	409.4	467.4	446.4	335.6	360.3
Sweden	160	147	50.9	48.6	0.5	2.6	1.0	416.8	408.5	440.1	379.6	445.3
International Avg.	144	134	31.7	51.9	18.5	10.9	3.7	456.8	463.8	430.6	459.4	447.5

Question : When was first and second derivatives taught to students in the TIMSS class?

Location : TQM3-24BD (MT2MTP10)

Country	Sample	Valid N	1.MOSTL Y TAUGHT BEFORE THIS YEAR %	2.MOSTL Y TAUGHT THIS YEAR %	3.NOT YET TAUGHT OR JUST INTRODU CED %	Not Adminis tered %	Omitted %	1.MOSTL Y TAUGHT BEFORE THIS YEAR Mean	2.MOSTL Y TAUGHT THIS YEAR Mean	3.NOT YET TAUGHT OR JUST INTRODU CED Mean	Not Adminis tered Mean	Omitted Mean
Armenia	71	54	19.8	46.5	33.7	0.0	24.2	411.0	430.3	445.4	.	436.7
Iran, Islamic Rep. of	185	182	48.9	47.7	3.4	0.0	1.4	493.3	501.7	479.4	.	491.9
Italy	130	129	13.3	82.5	4.2	0.3	0.0	412.4	457.1	391.9	573.0	.
Lebanon	271	254	37.2	62.4	0.5	1.8	2.3	550.6	541.1	527.7	537.6	555.3
Netherlands	118	113	48.9	51.1	.	3.2	2.3	557.0	548.7	.	539.6	556.7
Norway	120	118	75.8	23.6	0.6	1.2	1.4	443.3	431.6	387.6	428.9	378.4
Philippines	118	117	10.8	46.4	42.7	0.3	0.0	414.8	353.0	342.5	315.6	.
Russian Federation	166	.	.	.	.	100.0	0.0	.	.	.	561.0	.
Slovenia	96	95	2.1	91.2	6.7	0.6	0.0	409.0	459.6	453.2	335.6	.
Sweden	160	147	56.2	43.8	.	2.6	1.0	409.4	417.4	.	379.6	445.3
International Avg.	144	134	34.8	55.0	13.1	11.0	3.3	455.6	460.1	432.5	458.9	477.4

Question : When was integrating functions taught to students in the TIMSS class?
 Location : TQM3-24BE (MT2MTP11)

Country	Sample	Valid N	1.MOSTL Y TAUGHT BEFORE THIS YEAR %	2.MOSTL Y TAUGHT THIS YEAR %	3.NOT YET TAUGHT OR JUST INTRODU CED %	Not Adminis tered %	Omitted %	1.MOSTL Y TAUGHT BEFORE THIS YEAR Mean	2.MOSTL Y TAUGHT THIS YEAR Mean	3.NOT YET TAUGHT OR JUST INTRODU CED Mean	Not Adminis tered Mean	Omitted Mean
Armenia	71	52	12.6	7.0	80.5	0.0	27.5	439.7	487.7	427.5	.	431.6
Iran, Islamic Rep. of	185	180	7.6	81.4	11.1	0.0	2.3	483.3	499.7	484.0	.	500.7
Italy	130	129	.	85.4	14.6	0.3	0.0	.	453.3	419.6	573.0	.
Lebanon	271	251	14.6	83.5	1.9	2.2	3.2	552.2	544.7	511.9	512.2	553.6
Netherlands	118	113	37.7	60.5	1.8	3.2	2.3	553.5	553.2	521.9	539.6	556.7
Norway	120	118	1.2	98.8	.	0.0	2.6	430.2	440.3	.	.	402.4
Philippines	118	117	5.0	36.2	58.8	0.3	0.0	386.4	378.4	338.3	315.6	.
Russian Federation	166	.	.	.	.	100.0	0.0	.	.	.	561.0	.
Slovenia	96	95	2.1	78.5	19.4	0.6	0.0	409.0	459.6	457.7	335.6	.
Sweden	160	147	29.2	68.0	2.7	2.6	1.0	397.7	421.5	360.5	379.6	445.3
International Avg.	144	134	13.7	66.6	23.9	10.9	3.9	456.5	470.9	440.2	459.5	481.7

Question : When was properties of geometric figures taught to students in the TIMSS class?
 Location : TQM3-24CA (MT2MTP12)

Country	Sample	Valid N	1.MOSTL Y TAUGHT BEFORE THIS YEAR %	2.MOSTL Y TAUGHT THIS YEAR %	3.NOT YET TAUGHT OR JUST INTRODU CED %	Not Adminis tered %	Omitted %	1.MOSTL Y TAUGHT BEFORE THIS YEAR Mean	2.MOSTL Y TAUGHT THIS YEAR Mean	3.NOT YET TAUGHT OR JUST INTRODU CED Mean	Not Adminis tered Mean	Omitted Mean
Armenia	71	54	75.0	22.3	2.8	0.0	24.2	432.3	424.5	469.5	.	436.7
Iran, Islamic Rep. of	185	182	61.9	29.6	8.5	0.0	1.4	490.0	508.7	514.6	.	434.9
Italy	130	129	82.2	9.3	8.5	0.3	0.0	446.4	501.5	409.4	573.0	.
Lebanon	271	255	48.1	49.0	2.9	2.0	2.7	545.1	545.8	552.9	503.0	542.8
Netherlands	118	114	65.6	34.4	.	3.2	1.0	553.6	551.5	.	539.6	553.7
Norway	120	115	25.8	37.2	37.0	0.0	4.7	447.8	441.2	434.9	.	412.4
Philippines	118	116	77.3	10.3	12.5	0.3	0.9	361.9	329.4	337.5	315.6	319.8
Russian Federation	166	.	.	.	.	100.0	0.0	.	.	.	561.0	.
Slovenia	96	95	99.8	0.2	.	0.6	0.0	458.2	404.1	.	335.6	.
Sweden	160	147	75.4	12.5	12.1	2.6	1.0	409.8	418.6	426.3	379.6	445.3
International Avg.	144	134	67.9	22.7	12.0	10.9	3.6	460.6	458.4	449.3	458.2	449.4

Question : When was gradients taught to students in the TIMSS class?
 Location : TQM3-24CB (MT2MTP13)

Country	Sample	Valid N	1.MOSTL Y TAUGHT BEFORE THIS YEAR %	2.MOSTL Y TAUGHT THIS YEAR %	3.NOT YET TAUGHT OR JUST INTRODU CED %	Not Adminis tered %	Omitted %	1.MOSTL Y TAUGHT BEFORE THIS YEAR Mean	2.MOSTL Y TAUGHT THIS YEAR Mean	3.NOT YET TAUGHT OR JUST INTRODU CED Mean	Not Adminis tered Mean	Omitted Mean
Armenia	71	55	71.7	20.3	8.0	0.0	22.8	438.5	415.2	408.2	.	437.6
Iran, Islamic Rep. of	185	181	73.3	21.7	5.0	0.0	1.7	499.8	482.5	520.6	.	479.7
Italy	130	129	82.9	10.6	6.5	0.3	0.0	448.3	482.9	393.6	573.0	.
Lebanon	271	257	71.7	27.1	1.2	1.3	2.3	541.4	554.1	519.5	539.2	555.3
Netherlands	118	113	59.3	19.7	21.0	3.2	2.3	553.8	555.7	547.2	539.6	556.7
Norway	120	119	85.1	14.3	0.6	0.0	1.4	443.8	420.4	387.6	.	378.4
Philippines	118	114	70.0	26.1	3.9	0.3	2.2	368.9	323.1	370.5	315.6	277.2
Russian Federation	166	.	.	.	.	100.0	0.0	.	.	.	561.0	.
Slovenia	96	95	63.6	36.4	.	0.6	0.0	461.8	451.7	.	335.6	.
Sweden	160	146	91.0	6.0	3.0	2.6	1.2	412.0	418.1	427.5	379.6	442.3
International Avg.	144	134	74.3	20.2	6.2	10.8	3.4	463.1	456.0	446.8	463.4	446.7

Question : When was equations and properties of circles in the Cartesian plane taught to students in the TIMSS class?
 Location : TQM3-24CC (MT2MTP14)

Country	Sample	Valid N	1.MOSTL Y TAUGHT BEFORE THIS YEAR %	2.MOSTL Y TAUGHT THIS YEAR %	3.NOT YET TAUGHT OR JUST INTRODU CED %	Not Adminis tered %	Omitted %	1.MOSTL Y TAUGHT BEFORE THIS YEAR Mean	2.MOSTL Y TAUGHT THIS YEAR Mean	3.NOT YET TAUGHT OR JUST INTRODU CED Mean	Not Adminis tered Mean	Omitted Mean
Armenia	71	55	64.2	30.5	5.3	0.0	22.8	424.6	444.5	437.9	.	437.6
Iran, Islamic Rep. of	185	180	24.6	68.1	7.3	0.0	2.5	497.5	497.1	503.8	.	459.7
Italy	130	129	93.4	3.8	2.8	0.3	0.0	453.1	400.0	359.1	573.0	.
Lebanon	271	258	82.1	17.4	0.5	0.5	2.9	542.7	554.9	524.7	502.5	551.4
Netherlands	118	114	29.4	39.8	30.8	3.2	1.0	554.2	553.2	551.1	539.6	553.7
Norway	120	118	22.3	69.2	8.4	0.0	2.6	445.3	436.2	459.5	.	402.4
Philippines	118	116	58.3	39.3	2.4	0.3	0.9	376.8	324.4	349.0	315.6	319.8
Russian Federation	166	.	.	.	.	100.0	0.0	.	.	.	561.0	.
Slovenia	96	95	58.0	37.7	4.3	0.6	0.0	457.7	468.4	373.9	335.6	.
Sweden	160	145	41.7	13.3	45.0	2.6	2.2	412.1	418.9	412.7	379.6	411.0
International Avg.	144	134	52.7	35.5	11.9	10.7	3.5	462.7	455.3	441.3	458.1	448.0

Question : When was trigonometric properties of triangles taught to students in the TIMSS class?
 Location : TQM3-24CD (MT2MTP15)

Country	Sample	Valid N	1.MOSTL Y TAUGHT BEFORE THIS YEAR %	2.MOSTL Y TAUGHT THIS YEAR %	3.NOT YET TAUGHT OR JUST INTRODU CED %	Not Adminis tered %	Omitted %	1.MOSTL Y TAUGHT BEFORE THIS YEAR Mean	2.MOSTL Y TAUGHT THIS YEAR Mean	3.NOT YET TAUGHT OR JUST INTRODU CED Mean	Not Adminis tered Mean	Omitted Mean
Armenia	71	55	83.9	12.4	3.7	0.0	22.8	431.6	438.2	402.5	.	437.6
Iran, Islamic Rep. of	185	179	77.0	17.5	5.5	0.0	2.5	497.6	497.4	485.0	.	492.1
Italy	130	129	95.6	2.8	1.6	0.3	0.0	450.7	408.8	381.6	573.0	.
Lebanon	271	257	75.0	24.0	1.0	1.3	2.4	543.5	549.6	515.8	526.6	555.0
Netherlands	118	113	79.8	20.2	.	3.2	2.3	552.9	552.2	.	539.6	556.7
Norway	120	119	28.5	70.8	0.6	0.0	1.4	443.5	439.2	387.6	.	378.4
Philippines	118	116	50.3	49.5	0.2	0.3	0.9	387.7	323.1	298.5	315.6	319.8
Russian Federation	166	.	.	.	.	100.0	0.0	.	.	.	561.0	.
Slovenia	96	95	99.3	0.7	.	0.6	0.0	457.9	495.4	.	335.6	.
Sweden	160	147	42.9	57.1	.	2.6	1.0	406.0	418.0	.	379.6	445.3
International Avg.	144	134	70.3	28.3	2.1	10.8	3.3	463.5	458.0	411.8	461.6	455.0

Question : When was properties of vectors and their sums and differences taught to students in the TIMSS class?
 Location : TQM3-24CE (MT2MTP16)

Country	Sample	Valid N	1.MOSTL Y TAUGHT BEFORE THIS YEAR %	2.MOSTL Y TAUGHT THIS YEAR %	3.NOT YET TAUGHT OR JUST INTRODU CED %	Not Adminis tered %	Omitted %	1.MOSTL Y TAUGHT BEFORE THIS YEAR Mean	2.MOSTL Y TAUGHT THIS YEAR Mean	3.NOT YET TAUGHT OR JUST INTRODU CED Mean	Not Adminis tered Mean	Omitted Mean
Armenia	71	54	53.5	38.3	8.2	0.0	24.9	436.1	432.1	424.0	.	430.5
Iran, Islamic Rep. of	185	180	40.8	51.4	7.8	0.0	2.5	490.7	503.1	498.7	.	459.7
Italy	130	129	83.7	1.6	14.6	0.3	0.0	452.2	391.4	433.2	573.0	.
Lebanon	271	259	83.4	16.4	0.2	0.5	2.4	545.4	541.5	513.1	511.2	555.0
Netherlands	118	113	41.2	13.8	44.9	3.2	1.3	559.2	548.6	547.8	539.6	572.2
Norway	120	119	34.0	65.3	0.6	0.0	1.4	451.6	434.6	387.6	.	378.4
Philippines	118	116	30.1	26.6	43.3	0.3	0.9	374.3	359.6	340.0	315.6	319.8
Russian Federation	166	.	.	.	.	100.0	0.0	.	.	.	561.0	.
Slovenia	96	95	100.0	.	.	0.6	0.0	458.1	.	.	335.6	.
Sweden	160	145	11.9	7.5	80.7	2.6	1.2	422.5	396.1	412.8	379.6	452.2
International Avg.	144	134	53.2	27.6	25.1	10.8	3.5	465.6	450.9	444.7	459.4	452.6

Question : During mathematics lessons, how often do you use a computer to demonstrate mathematics for the whole class?
 Location : TQM3-25 (MT2MH0UC)

Country	Sample	Valid N	1.EVERY OR ALOMST EVERY LESSON %	2.ABOUT HALF THE LESSONS %	3.SOME LESSONS %	4.NEVER %	Not Adminis tered %	Omitted %	1.EVERY OR ALOMST EVERY LESSON Mean	2.ABOUT HALF THE LESSONS Mean	3.SOME LESSONS Mean	4.NEVER Mean	Not Adminis tered Mean	Omitted Mean
Armenia	71	59	3.4	.	63.5	33.1	0.0	16.9	402.5	.	462.9	395.7	.	403.9
Iran, Islamic Rep. of	185	175	.	0.5	11.5	88.1	0.0	6.9	.	404.8	508.0	494.9	.	507.0
Italy	130	129	0.3	2.6	51.9	45.1	0.3	0.0	297.4	308.9	454.6	450.5	573.0	.
Lebanon	271	262	0.4	0.9	23.8	74.9	0.7	2.0	531.5	569.8	549.4	542.8	502.0	566.7
Netherlands	118	115	1.2	4.6	46.5	47.7	3.2	0.0	576.7	549.2	553.7	551.9	539.6	.
Norway	120	118	4.0	1.6	47.7	46.7	0.0	1.6	443.9	483.7	440.2	434.6	.	489.2
Philippines	118	116	2.0	1.8	38.2	57.9	0.3	1.8	457.1	349.0	365.7	344.5	315.6	371.2
Russian Federation	166	164	1.7	3.2	58.5	36.5	0.2	0.1	581.2	566.4	568.4	547.4	623.5	551.9
Slovenia	96	95	3.5	5.1	48.6	42.8	0.6	0.0	453.7	447.1	457.6	460.4	335.6	.
Sweden	160	149	2.1	2.5	37.9	57.5	2.6	0.1	366.4	439.6	421.8	408.1	379.6	455.3
International Avg.	144	138	2.1	2.5	42.8	53.0	0.8	2.9	456.7	457.6	478.2	463.1	467.0	477.9

Question : Do the students in the TIMSS class use calculators during mathematics lessons?
 Location : TQM3-26AA (MT2MSUCA)

Country	Sample	Valid N	1.YES %	2.NO %	Not Adminis- tered %	Omitted %	1.YES Mean	2.NO Mean	Not Adminis- tered Mean	Omitted Mean
Armenia	71	59	95.6	4.4	0.0	16.9	433.3	553.9	.	403.9
Iran, Islamic Rep. of	185	185	73.2	26.8	0.0	0.0	488.5	519.5	.	.
Italy	130	129	100.0	.	0.3	0.0	448.4	.	573.0	.
Lebanon	271	265	99.2	0.8	0.3	1.2	545.3	479.3	502.0	551.1
Netherlands	118	115	100.0	.	3.2	0.0	552.9	.	539.6	.
Norway	120	119	98.5	1.5	0.0	1.0	438.2	482.1	.	483.7
Philippines	118	117	99.4	0.6	0.3	0.0	355.4	330.6	315.6	.
Russian Federation	166	165	87.6	12.4	0.2	0.0	558.3	579.2	623.5	.
Slovenia	96	95	100.0	.	0.6	0.0	458.1	.	335.6	.
Sweden	160	149	99.5	0.5	2.6	0.1	413.0	440.1	379.6	455.3
International Avg.	144	140	95.3	6.7	0.8	1.9	469.1	483.5	467.0	473.5

Question : Do the students in the TIMSS class use computers during mathematics lessons?
 Location : TQM3-26AB (MT2MSUC0)

Country	Sample	Valid N	1.YES %	2.NO %	Not Adminis- tered %	Omitted %	1.YES Mean	2.NO Mean	Not Adminis- tered Mean	Omitted Mean
Armenia	71	59	39.1	60.9	0.0	16.9	462.6	423.3	.	403.9
Iran, Islamic Rep. of	185	185	15.2	84.8	0.0	0.0	523.3	492.0	.	.
Italy	130	129	70.2	29.8	0.3	0.0	453.8	435.6	573.0	.
Lebanon	271	264	20.8	79.2	0.3	1.4	550.5	543.3	502.0	548.7
Netherlands	118	115	94.5	5.5	3.2	0.0	552.1	565.8	539.6	.
Norway	120	119	65.3	34.7	0.0	1.0	435.0	446.0	.	483.7
Philippines	118	117	41.6	58.4	0.3	0.0	351.2	358.1	315.6	.
Russian Federation	166	165	77.0	23.0	0.2	0.0	560.5	562.2	623.5	.
Slovenia	96	95	48.8	51.2	0.6	0.0	464.8	451.8	335.6	.
Sweden	160	149	45.9	54.1	2.6	0.1	417.6	409.4	379.6	455.3
International Avg.	144	140	51.8	48.2	0.8	1.9	477.1	468.8	467.0	472.9

Question : Do the students in the TIMSS class use other computing technology during mathematics lessons?
 Location : TQM3-26AC (MT2MSU0T)

Country	Sample	Valid N	1.YES %	2.NO %	Not Adminis- tered %	Omitted %	1.YES Mean	2.NO Mean	Not Adminis- tered Mean	Omitted Mean
Armenia	71	59	13.5	86.5	0.0	16.9	445.4	437.6	.	403.9
Iran, Islamic Rep. of	185	184	6.6	93.4	0.0	0.5	541.3	493.7	.	495.5
Italy	130	129	3.9	96.1	0.3	0.0	446.5	448.5	573.0	.
Lebanon	271	254	4.3	95.7	0.3	6.0	512.3	546.2	502.0	547.2
Netherlands	118	115	.	100.0	3.2	0.0	.	552.9	539.6	.
Norway	120	119	.	100.0	0.0	1.0	.	438.8	.	483.7
Philippines	118	115	15.2	84.8	0.3	2.7	349.0	358.1	315.6	303.4
Russian Federation	166	163	9.4	90.6	0.2	0.8	535.1	564.3	623.5	470.3
Slovenia	96	95	11.4	88.6	0.6	0.0	463.6	457.4	335.6	.
Sweden	160	.	.	.	100.0	0.0	.	.	412.3	.
International Avg.	144	137	9.2	92.9	10.5	2.8	470.5	477.5	471.7	450.7

Question : If the students use calculators, what kind of calculators do most of them use?
 Location : TQM3-26B (MT2MKCAL)

Country	Sample	Valid N	1.SIMPL E CALC %	2.SCIEN TIFIC CALC %	3.GRAPH ING CALC %	4.SYMBOLIC LIC CALC %	Not Adminis- tered %	Not Applica- ble %	Omitted %	1.SIMPL E CALC Mean	2.SCIEN TIFIC CALC Mean	3.GRAPH ING CALC Mean	4.SYMBOLIC LIC CALC Mean	Not Adminis- tered Mean	Not Applica- ble Mean	Omitted Mean
Armenia	71	56	61.7	29.3	3.2	1.2	0.0	4.6	20.1	420.7	462.6	367.6	442.7	.	553.9	413.2
Iran, Islamic Rep. of	185	180	37.3	35.1	.	.	0.0	27.5	2.5	485.0	494.1	.	.	.	519.5	460.4
Italy	130	129	2.8	91.1	6.0	.	0.3	.	0.0	426.9	446.9	481.7	.	573.0	.	.
Lebanon	271	246	6.1	86.5	2.8	3.7	5.9	0.9	2.0	553.2	541.9	566.8	582.2	546.9	479.3	561.7
Netherlands	118	115	0.3	.	98.7	1.0	3.2	.	0.0	518.5	.	552.5	604.5	539.6	.	.
Norway	120	119	1.9	.	91.9	4.7	0.0	1.5	1.0	482.4	.	436.5	453.0	.	482.1	483.7
Philippines	118	114	.	95.1	3.7	0.6	0.3	0.6	2.3	.	350.8	433.9	516.1	315.6	330.6	374.5
Russian Federation	166	165	31.0	56.6	.	.	0.2	12.4	0.0	547.7	564.1	.	.	623.5	579.2	.
Slovenia	96	95	10.0	90.0	.	.	0.6	.	0.0	449.9	459.0	.	.	335.6	.	.
Sweden	160	149	.	0.1	98.5	0.9	2.6	0.5	0.1	.	444.4	413.1	398.0	379.6	440.1	455.3
International Avg.	144	137	18.9	60.5	43.5	2.0	1.3	6.9	2.8	485.5	470.5	464.6	499.4	473.4	483.5	458.1

Question : If the students use computers, do any of the computers have access to the Internet?
 Location : TQM3-26C (MT2MCOAI)

Country	Sample	Valid N	1.YES %	Not Adminis tered %	Not Applica ble %	Omitted %	1.YES Mean	Not Adminis tered Mean	Not Applica ble Mean	Omitted Mean
Armenia	71	55	36.4	0.0	63.6	20.3	467.8	.	423.3	406.5
Iran, Islamic Rep. of	185	181	12.4	0.0	87.6	3.2	525.4	.	492.0	515.4
Italy	130	125	69.6	0.3	30.4	1.9	453.8	573.0	435.6	457.1
Lebanon	271	259	19.1	0.3	80.9	3.5	553.0	502.0	543.3	536.8
Netherlands	118	115	94.5	3.2	5.5	0.0	552.1	539.6	565.8	.
Norway	120	118	65.1	0.0	34.9	1.4	435.2	.	446.0	459.5
Philippines	118	113	40.5	0.3	59.5	1.9	354.2	315.6	358.1	286.3
Russian Federation	166	160	76.2	0.2	23.8	3.3	560.7	623.5	562.2	556.1
Slovenia	96	91	45.6	0.6	54.4	5.9	465.1	335.6	451.8	462.0
Sweden	160	148	45.7	2.6	54.3	0.6	417.4	379.6	409.4	442.7
International Avg.	144	137	50.5	0.8	49.5	4.2	478.5	467.0	468.8	458.1

Question : How often do students in the TIMSS class use calculators or computers in their mathematics lessons for drawing graphs of functions?
 Location : TQM3-27A (MT2MCADG)

Country	Sample	Valid N	1.EVERY OR ALMOST EVERY LESSON %	2.ABOUT HALF THE LESSONS %	3.SOME LESSONS %	4.NEVER %	Not Adminis- tered %	Omitted %	1.EVERY OR ALMOST EVERY LESSON Mean	2.ABOUT HALF THE LESSONS Mean	3.SOME LESSONS Mean	4.NEVER Mean	Not Adminis- tered Mean	Omitted Mean
Armenia	71	55	11.3	3.6	40.0	45.2	0.0	22.1	425.4	406.1	450.2	420.1	.	434.8
Iran, Islamic Rep. of	185	181	2.2	3.6	25.4	68.9	0.0	2.2	473.0	522.7	519.4	486.7	.	531.7
Italy	130	129	3.2	6.6	50.1	40.1	0.3	0.0	483.3	460.2	446.3	446.3	573.0	.
Lebanon	271	215	6.1	3.9	17.1	72.9	0.3	20.5	580.5	559.3	549.9	539.6	502.0	545.7
Netherlands	118	115	64.2	18.2	15.2	2.3	3.2	0.0	553.5	548.6	552.6	570.7	539.6	.
Norway	120	120	37.8	31.2	30.3	0.7	0.0	0.0	437.9	442.6	436.8	469.6	.	.
Philippines	118	116	4.2	4.5	37.8	53.6	0.3	0.3	401.5	347.6	369.2	341.5	315.6	507.8
Russian Federation	166	160	4.0	4.2	43.5	48.3	0.2	2.7	533.7	521.3	576.1	554.8	623.5	526.7
Slovenia	96	93	3.6	8.2	28.0	60.2	0.6	3.6	442.0	445.0	453.9	463.6	335.6	445.4
Sweden	160	149	72.5	15.3	12.2	.	2.6	0.1	418.8	393.0	405.1	.	379.6	455.3
International Avg.	144	133	20.9	9.9	29.9	43.6	0.8	5.2	475.0	464.6	475.9	477.0	467.0	492.5

Question : How often do students in the TIMSS class use calculators or computers in their mathematics lessons for solving equations?
 Location : TQM3-27B (MT2MCASE)

Country	Sample	Valid N	1.EVERY OR ALMOST EVERY LESSON %	2.ABOUT HALF THE LESSONS %	3.SOME LESSONS %	4.NEVER %	Not Adminis- tered %	Omitted %	1.EVERY OR ALMOST EVERY LESSON Mean	2.ABOUT HALF THE LESSONS Mean	3.SOME LESSONS Mean	4.NEVER Mean	Not Adminis- tered Mean	Omitted Mean
Armenia	71	56	24.5	.	45.4	30.0	0.0	21.5	425.6	.	425.4	448.2	.	434.6
Iran, Islamic Rep. of	185	183	3.7	6.0	28.6	61.7	0.0	0.6	484.1	457.2	508.3	495.3	.	566.8
Italy	130	129	8.7	8.2	44.9	38.2	0.3	0.0	428.2	483.7	452.3	440.9	573.0	.
Lebanon	271	219	22.7	18.2	44.5	14.6	1.1	19.0	558.4	534.6	540.7	545.1	570.3	545.2
Netherlands	118	115	22.6	34.7	37.7	5.1	3.2	0.0	551.0	551.2	555.6	552.2	539.6	.
Norway	120	119	19.4	29.4	44.4	6.8	0.0	0.8	428.4	437.8	443.8	447.9	.	427.8
Philippines	118	117	28.8	18.2	33.1	20.0	0.3	0.0	328.6	359.8	364.8	373.7	315.6	.
Russian Federation	166	159	10.0	8.6	43.0	38.4	0.6	2.0	558.6	520.2	566.5	565.6	517.7	554.5
Slovenia	96	93	12.0	4.1	39.2	44.7	0.6	3.6	453.7	464.9	454.1	463.3	335.6	445.4
Sweden	160	149	24.1	17.5	45.8	12.6	2.6	0.1	421.6	403.2	419.4	388.2	379.6	455.3
International Avg.	144	134	17.7	16.1	40.7	27.2	0.9	4.8	463.8	468.1	473.1	472.0	461.6	489.9

Question : How often do students in the TIMSS class use calculators or computers in their mathematics lessons for manipulating algebraic expressions?
 Location : TQM3-27C (MT2MCAME)

Country	Sample	Valid N	1.EVERY OR ALMOST EVERY LESSON %	2.ABOUT HALF THE LESSONS %	3.SOME LESSONS %	4.NEVER %	Not Adminis- tered %	Omitted %	1.EVERY OR ALMOST EVERY LESSON Mean	2.ABOUT HALF THE LESSONS Mean	3.SOME LESSONS Mean	4.NEVER Mean	Not Adminis- tered Mean	Omitted Mean
Armenia	71	55	12.7	0.8	42.8	43.7	0.0	23.6	440.0	443.8	409.8	456.8	.	427.3
Iran, Islamic Rep. of	185	183	7.4	14.0	26.2	52.4	0.0	1.0	495.0	475.8	484.8	506.2	.	621.3
Italy	130	129	7.7	6.5	30.0	55.8	0.3	0.0	436.4	479.2	455.5	442.7	573.0	.
Lebanon	271	210	13.7	9.3	31.5	45.5	0.3	22.4	557.9	557.4	538.4	540.3	502.0	548.9
Netherlands	118	115	3.4	1.8	29.2	65.6	3.2	0.0	550.0	555.9	552.4	553.1	539.6	.
Norway	120	118	4.2	4.0	21.5	70.4	0.0	1.6	417.0	448.3	441.1	438.5	.	480.8
Philippines	118	117	15.7	13.2	40.2	30.8	0.3	0.0	338.0	325.2	361.4	368.9	315.6	.
Russian Federation	166	158	7.1	8.0	30.3	54.5	0.2	2.6	574.7	527.6	541.8	575.1	623.5	549.8
Slovenia	96	93	7.4	7.9	22.3	62.3	0.6	3.6	463.9	489.9	452.9	456.0	335.6	445.4
Sweden	160	148	2.3	2.8	12.6	82.3	2.6	0.3	443.4	392.2	412.2	413.4	379.6	367.7
International Avg.	144	133	8.2	6.8	28.7	56.3	0.8	5.5	471.6	469.5	465.0	475.1	467.0	491.6

Question : How often do students in the TIMSS class use calculators or computers in their mathematics lessons for modeling and simulation?
 Location : TQM3-27D (MT2MCAMS)

Country	Sample	Valid N	1.EVERY OR ALMOST EVERY LESSON %	2.ABOUT HALF THE LESSONS %	3.SOME LESSONS %	4.NEVER %	Not Adminis- tered %	Omitted %	1.EVERY OR ALMOST EVERY LESSON Mean	2.ABOUT HALF THE LESSONS Mean	3.SOME LESSONS Mean	4.NEVER Mean	Not Adminis- tered Mean	Omitted Mean
Armenia	71	54	5.5	.	24.9	69.6	0.0	29.9	413.5	.	400.3	458.3	.	412.7
Iran, Islamic Rep. of	185	183	1.2	2.3	18.6	77.9	0.0	1.0	435.3	516.8	515.5	491.0	.	621.3
Italy	130	129	0.2	3.7	24.3	71.9	0.3	0.0	502.8	441.1	462.3	443.9	573.0	.
Lebanon	271	192	7.3	3.9	24.6	64.1	0.3	30.9	554.6	593.1	544.2	540.3	502.0	546.1
Netherlands	118	114	3.0	1.4	31.5	64.2	3.2	1.4	561.3	513.8	554.7	551.7	539.6	584.0
Norway	120	118	1.5	5.4	68.3	24.8	0.0	1.7	335.5	444.7	442.1	434.4	.	466.8
Philippines	118	115	3.2	7.9	33.0	55.9	0.3	1.3	434.4	322.9	353.4	358.3	315.6	272.7
Russian Federation	166	158	0.7	4.4	34.9	60.0	0.2	3.0	584.8	533.4	565.2	562.1	623.5	520.6
Slovenia	96	92	1.9	4.7	19.1	74.4	0.6	4.8	428.9	477.5	442.9	463.1	335.6	435.5
Sweden	160	144	17.0	5.8	43.4	33.8	2.6	3.1	411.1	412.0	408.6	420.4	379.6	413.9
International Avg.	144	130	4.1	4.4	32.3	59.7	0.8	7.7	466.2	472.8	468.9	472.4	467.0	474.8

Question : How often do students in the TIMSS class use calculators or computers in their mathematics lessons for numerical integration?
 Location : TQM3-27E (MT2MCANI)

Country	Sample	Valid N	1.EVERY OR ALMOST EVERY LESSON %	2.ABOUT HALF THE LESSONS %	3.SOME LESSONS %	4.NEVER %	Not Adminis- tered %	Omitted %	1.EVERY OR ALMOST EVERY LESSON Mean	2.ABOUT HALF THE LESSONS Mean	3.SOME LESSONS Mean	4.NEVER Mean	Not Adminis- tered Mean	Omitted Mean
Armenia	71	53	3.9	.	16.7	79.4	0.0	27.1	402.5	.	449.1	438.1	.	417.2
Iran, Islamic Rep. of	185	183	1.7	4.7	12.0	81.7	0.0	1.0	441.1	529.1	485.5	496.2	.	621.3
Italy	130	129	3.0	1.3	40.9	54.9	0.3	0.0	488.8	346.1	458.7	440.9	573.0	.
Lebanon	271	206	6.7	3.8	18.1	71.4	0.5	24.0	562.5	554.7	549.0	539.7	511.9	549.3
Netherlands	118	115	5.7	8.7	76.1	9.5	3.2	0.0	541.3	556.9	552.9	556.3	539.6	.
Norway	120	118	6.7	17.9	68.6	6.8	0.0	1.7	417.0	447.2	438.8	437.3	.	466.8
Philippines	118	116	8.7	10.5	39.0	41.7	0.3	1.6	328.0	293.4	365.4	370.6	315.6	260.2
Russian Federation	166	159	3.8	9.3	37.8	49.1	0.2	3.0	526.7	549.0	556.4	570.6	623.5	537.9
Slovenia	96	92	5.0	1.8	28.3	64.9	0.6	5.1	428.3	454.8	462.2	460.3	335.6	439.8
Sweden	160	147	28.2	17.8	49.5	4.5	2.6	1.4	407.8	405.8	420.0	429.0	379.6	327.3
International Avg.	144	132	7.3	8.4	38.7	46.4	0.8	6.5	454.4	459.7	473.8	473.9	468.4	452.5

Question : How often do students in the TIMSS class use calculators or computers in their mathematics lessons for processing and analyzing data?
 Location : TQM3-27F (MT2MCAPD)

Country	Sample	Valid N	1.EVERY OR ALMOST EVERY LESSON %	2.ABOUT HALF THE LESSONS %	3.SOME LESSONS %	4.NEVER %	Not Adminis- tered %	Omitted %	1.EVERY OR ALMOST EVERY LESSON Mean	2.ABOUT HALF THE LESSONS Mean	3.SOME LESSONS Mean	4.NEVER Mean	Not Adminis- tered Mean	Omitted Mean
Armenia	71	54	3.8	5.8	39.3	51.1	0.0	25.5	402.5	443.1	423.8	448.4	.	421.4
Iran, Islamic Rep. of	185	183	2.0	7.7	18.5	71.8	0.0	1.0	455.1	496.2	525.9	488.7	.	621.3
Italy	130	129	1.7	11.0	47.2	40.0	0.3	0.0	487.3	443.6	458.3	436.3	573.0	.
Lebanon	271	208	6.8	6.0	24.3	62.9	0.3	22.7	558.5	568.9	548.9	538.6	502.0	547.0
Netherlands	118	115	11.0	10.0	52.2	26.8	3.2	0.0	555.9	555.0	551.7	553.2	539.6	.
Norway	120	118	3.7	7.2	70.5	18.5	0.0	1.7	390.5	444.0	444.7	424.0	.	466.8
Philippines	118	117	12.1	11.7	39.7	36.5	0.3	0.0	357.5	320.3	360.9	359.5	315.6	.
Russian Federation	166	159	15.4	10.3	55.2	19.1	0.2	2.6	560.5	512.0	569.4	565.7	623.5	540.2
Slovenia	96	93	9.2	9.0	52.8	29.0	0.6	3.6	455.4	468.9	447.4	476.9	335.6	445.4
Sweden	160	144	30.0	18.3	42.1	9.6	2.6	2.7	413.7	397.7	420.8	412.6	379.6	397.4
International Avg.	144	132	9.6	9.7	44.2	36.5	0.8	6.0	463.7	465.0	475.2	470.4	467.0	491.4

Question : Do you assign mathematics homework to the TIMSS class?
 Location : TQM3-28 (MT2MHMWM)

Country	Sample	Valid N	1.YES %	2.NO %	Not Adminis- tered %	Omitted %	1.YES Mean	2.NO Mean	Not Adminis- tered Mean	Omitted Mean
Armenia	71	61	95.6	4.4	0.0	14.6	433.0	435.6	.	430.7
Iran, Islamic Rep. of	185	185	95.2	4.8	0.0	0.0	495.4	523.4	.	.
Italy	130	129	100.0	.	0.3	0.0	448.4	.	573.0	.
Lebanon	271	266	95.1	4.9	0.3	1.0	544.8	545.7	502.0	549.7
Netherlands	118	115	86.0	14.0	3.2	0.0	553.6	548.6	539.6	.
Norway	120	120	89.7	10.3	0.0	0.0	439.6	436.1	.	.
Philippines	118	117	99.7	0.3	0.3	0.0	355.6	238.6	315.6	.
Russian Federation	166	165	100.0	.	0.2	0.0	560.9	.	623.5	.
Slovenia	96	94	97.6	2.4	0.6	0.6	459.0	440.1	335.6	396.8
Sweden	160	149	66.1	33.9	2.6	0.1	421.3	397.3	379.6	455.3
International Avg.	144	140	92.5	9.4	0.8	1.6	471.1	445.6	467.0	458.1

Question : How often do you usually assign mathematics homework to the TIMSS class?
 Location : TQM3-29 (MT2MHOAM)

Country	Sample	Valid N	1.EVERY OR ALMOST EVERY LESSON %	2.ABOUT HALF THE LESSONS %	3.SOME LESSONS %	Not Adminis tered %	Not Applica ble %	Omitted %	1.EVERY OR ALMOST EVERY LESSON Mean	2.ABOUT HALF THE LESSONS Mean	3.SOME LESSONS Mean	Not Adminis tered Mean	Not Applica ble Mean	Omitted Mean
Armenia	71	61	88.3	.	7.2	0.0	4.4	14.6	434.0	.	421.1	.	435.6	430.7
Iran, Islamic Rep. of	185	184	72.3	9.0	13.8	0.0	4.8	0.3	502.5	487.6	463.8	.	523.4	487.1
Italy	130	129	92.6	6.1	1.3	0.3	.	0.0	450.5	397.0	539.3	573.0	.	.
Lebanon	271	265	81.7	5.7	7.8	0.5	4.9	1.0	544.3	545.1	549.5	518.2	545.7	549.7
Netherlands	118	114	75.1	9.4	1.3	3.2	14.2	1.1	553.3	551.6	559.1	539.6	548.6	581.8
Norway	120	120	72.1	11.4	6.2	0.0	10.3	0.0	447.2	408.5	407.9	.	436.1	.
Philippines	118	117	73.2	12.5	14.0	0.3	0.3	0.0	356.2	353.2	354.4	315.6	238.6	.
Russian Federation	166	165	91.5	6.1	2.4	0.2	.	0.0	561.9	525.5	613.7	623.5	.	.
Slovenia	96	94	91.3	4.9	1.4	0.6	2.4	0.6	460.7	437.5	424.7	335.6	440.1	396.8
Sweden	160	149	33.9	16.1	16.1	2.6	33.9	0.1	423.6	419.9	417.9	379.6	397.3	455.3
International Avg.	144	140	77.2	9.0	7.2	0.8	9.4	1.8	473.4	458.4	475.1	469.3	445.6	483.6

Question : When you assign mathematics homework to the TIMSS class, about how many minutes do you usually assign?
 Location : TQM3-30 (MT2MHWKM)

Country	Sample	Valid N	1.30 MINUTES OR LESS %	2.31-60 MINUTES %	3.61-90 MINUTES %	4.MORE THAN 90 MINUTES %	Not Adminis- tered %	Not Applica- ble %	Omitted %	1.30 MINUTES OR LESS Mean	2.31-60 MINUTES Mean	3.61-90 MINUTES Mean	4.MORE THAN 90 MINUTES Mean	Not Adminis- tered Mean	Not Applica- ble Mean	Omitted Mean
Armenia	71	61	6.2	72.2	15.1	2.1	0.0	4.4	14.6	518.0	420.8	442.8	535.0	.	435.6	430.7
Iran, Islamic Rep. of	185	185	8.5	32.4	38.3	16.0	0.0	4.8	0.0	447.3	490.5	504.2	509.9	.	523.4	.
Italy	130	127	11.1	53.5	33.4	2.1	0.3	.	0.4	394.5	451.9	455.9	516.5	573.0	.	494.4
Lebanon	271	264	6.3	30.6	43.1	15.1	0.5	4.9	1.8	535.6	545.6	542.5	551.9	499.5	545.7	565.4
Netherlands	118	114	32.5	49.5	2.4	1.4	3.2	14.2	1.1	553.5	553.4	557.6	531.9	539.6	548.6	581.8
Norway	120	120	15.4	62.5	11.5	0.3	0.0	10.3	0.0	442.1	444.4	412.3	355.0	.	436.1	.
Philippines	118	117	57.3	37.5	4.3	0.6	0.3	0.3	0.0	338.8	370.9	442.5	366.2	315.6	238.6	.
Russian Federation	166	164	2.8	54.9	36.7	5.6	0.2	.	0.4	564.3	559.5	562.8	555.9	623.5	.	609.0
Slovenia	96	93	50.0	47.6	.	.	0.6	2.4	1.9	451.3	466.3	.	.	335.6	440.1	456.0
Sweden	160	148	13.3	47.9	3.4	1.4	2.6	34.0	0.5	411.5	427.5	398.4	365.1	379.6	397.3	411.7
International Avg.	144	139	20.3	48.8	20.9	5.0	0.8	9.4	2.1	465.7	473.1	479.9	476.4	466.6	445.6	507.0

Question : How often do you assign mathematics homework that includes problem/question sets to the TIMSS class?
 Location : TQM3-31A (MT2MKMHP)

Country	Sample	Valid N	1.ALWAY S OR ALMOST ALWAYS %	2.SOMET IMES %	3.NEVER OR ALMOST NEVER %	Not Adminis tered %	Not Applica ble %	Omitted %	1.ALWAY S OR ALMOST ALWAYS Mean	2.SOMET IMES Mean	3.NEVER OR ALMOST NEVER Mean	Not Adminis tered Mean	Not Applica ble Mean	Omitted Mean
Armenia	71	61	85.1	10.5	.	0.0	4.4	14.6	437.8	394.8	.	.	435.6	430.7
Iran, Islamic Rep. of	185	178	66.5	27.9	0.7	0.0	5.0	4.2	498.7	486.6	437.3	.	523.4	511.2
Italy	130	128	92.7	5.5	1.8	0.3	.	0.2	449.6	424.0	457.5	573.0	.	502.8
Lebanon	271	258	78.9	15.4	0.6	0.3	5.1	4.5	544.4	547.0	617.9	502.0	545.7	535.9
Netherlands	118	113	85.7	.	.	3.2	14.3	1.8	553.1	.	.	539.6	548.6	572.7
Norway	120	119	78.1	11.5	.	0.0	10.4	0.6	441.7	423.9	.	.	436.1	472.5
Philippines	118	116	61.4	38.4	.	0.3	0.3	0.4	362.7	344.9	.	315.6	238.6	280.7
Russian Federation	166	161	97.1	2.9	.	0.2	.	1.7	558.2	612.8	.	623.5	.	623.3
Slovenia	96	94	92.6	5.0	.	0.6	2.4	0.6	460.2	436.1	.	335.6	440.1	396.8
Sweden	160	147	57.2	7.2	1.2	2.6	34.4	1.7	421.0	435.3	381.6	379.6	397.3	402.9
International Avg.	144	138	79.5	13.8	1.1	0.8	9.5	3.0	472.7	456.2	473.6	467.0	445.6	473.0

Question : How often do you assign mathematics homework that includes reading the textbook to the TIMSS class?
 Location : TQM3-31B (MT2MKMHR)

Country	Sample	Valid N	1.ALWAY S OR ALMOST ALWAYS %	2.SOMET IMES %	3.NEVER OR ALMOST NEVER %	Not Adminis tered %	Not Applica ble %	Omitted %	1.ALWAY S OR ALMOST ALWAYS Mean	2.SOMET IMES Mean	3.NEVER OR ALMOST NEVER Mean	Not Adminis tered Mean	Not Applica ble Mean	Omitted Mean
Armenia	71	61	48.0	38.7	8.9	0.0	4.4	14.6	445.6	430.1	377.6	.	435.6	430.7
Iran, Islamic Rep. of	185	176	47.9	44.1	2.9	0.0	5.0	5.2	490.2	499.3	494.6	.	523.4	510.4
Italy	130	128	35.5	49.8	14.7	0.3	.	0.2	435.1	450.0	474.4	573.0	.	502.8
Lebanon	271	249	35.1	51.7	8.0	0.3	5.2	7.4	546.3	544.7	548.2	502.0	545.7	535.8
Netherlands	118	113	18.9	36.0	30.8	3.2	14.3	1.8	549.0	556.7	551.5	539.6	548.6	572.7
Norway	120	117	28.6	46.1	14.8	0.0	10.6	2.4	453.2	430.4	445.3	.	436.1	419.8
Philippines	118	116	14.7	67.5	17.4	0.3	0.3	0.4	353.2	361.3	337.0	315.6	238.6	280.7
Russian Federation	166	162	45.8	45.8	8.4	0.2	.	1.3	568.8	557.7	532.3	623.5	.	578.0
Slovenia	96	94	.	37.5	60.1	0.6	2.4	0.6	.	452.4	463.0	335.6	440.1	396.8
Sweden	160	144	11.0	33.9	20.0	2.6	35.1	3.5	431.4	416.6	420.8	379.6	397.3	437.4
International Avg.	144	136	31.7	45.1	18.6	0.8	9.7	3.8	474.8	469.9	464.5	467.0	445.6	466.5

Question : How often do you assign mathematics homework that includes memorizing formulas and procedures to the TIMSS class?
 Location : TQM3-31C (MT2MKMHM)

Country	Sample	Valid N	1.ALWAY S OR ALMOST ALWAYS %	2.SOMET IMES %	3.NEVER OR ALMOST NEVER %	Not Adminis tered %	Not Applica ble %	Omitted %	1.ALWAY S OR ALMOST ALWAYS Mean	2.SOMET IMES Mean	3.NEVER OR ALMOST NEVER Mean	Not Adminis tered Mean	Not Applica ble Mean	Omitted Mean
Armenia	71	60	66.4	18.3	10.8	0.0	4.5	15.2	430.7	482.9	371.9	.	435.6	425.7
Iran, Islamic Rep. of	185	174	31.7	47.7	15.6	0.0	5.1	5.8	487.8	493.0	509.6	.	523.4	518.1
Italy	130	128	10.1	55.9	34.0	0.3	.	0.2	464.8	454.6	432.9	573.0	.	502.8
Lebanon	271	252	35.2	48.5	11.0	0.3	5.2	7.7	536.7	551.1	552.1	502.0	545.7	533.0
Netherlands	118	111	.	41.3	44.3	3.2	14.5	3.1	.	558.8	547.7	539.6	548.6	566.9
Norway	120	119	8.5	41.5	39.6	0.0	10.4	0.6	466.8	434.0	440.0	.	436.1	414.8
Philippines	118	115	29.7	56.9	13.2	0.3	0.3	1.1	343.9	360.7	357.3	315.6	238.6	384.2
Russian Federation	166	162	39.3	52.7	8.1	0.2	.	1.3	556.8	560.2	582.4	623.5	.	578.0
Slovenia	96	94	5.0	41.7	51.0	0.6	2.4	0.6	483.0	460.2	455.6	335.6	440.1	396.8
Sweden	160	145	0.5	21.9	42.8	2.6	34.7	2.5	436.0	417.3	420.4	379.6	397.3	466.5
International Avg.	144	136	25.2	42.6	27.0	0.8	9.6	3.8	467.4	477.3	467.0	467.0	445.6	478.7

Question : How often do you assign mathematics homework that includes gathering, analyzing and reporting data to the TIMSS class?
 Location : TQM3-31D (MT2MKMHG)

Country	Sample	Valid N	1.ALWAY S OR ALMOST ALWAYS %	2.SOMET IMES %	3.NEVER OR ALMOST NEVER %	Not Adminis tered %	Not Applica ble %	Omitted %	1.ALWAY S OR ALMOST ALWAYS Mean	2.SOMET IMES Mean	3.NEVER OR ALMOST NEVER Mean	Not Adminis tered Mean	Not Applica ble Mean	Omitted Mean
Armenia	71	61	31.2	49.9	14.4	0.0	4.4	14.6	413.6	423.8	507.1	.	435.6	430.7
Iran, Islamic Rep. of	185	178	29.3	55.6	10.2	0.0	5.0	4.2	494.1	491.0	513.3	.	523.4	519.2
Italy	130	128	4.5	43.1	52.5	0.3	.	0.2	474.1	433.3	458.4	573.0	.	502.8
Lebanon	271	251	33.9	47.0	13.8	0.3	5.2	6.9	539.8	546.0	551.9	502.0	545.7	547.1
Netherlands	118	112	0.9	17.5	67.1	3.2	14.4	2.9	497.6	550.2	554.8	539.6	548.6	561.3
Norway	120	118	.	16.1	73.4	0.7	10.5	0.6	.	447.0	437.8	473.1	436.1	414.8
Philippines	118	116	13.4	64.9	21.4	0.3	0.3	0.4	351.3	347.1	385.1	315.6	238.6	280.7
Russian Federation	166	162	17.9	69.1	13.0	0.2	.	1.3	569.6	556.0	572.6	623.5	.	578.0
Slovenia	96	94	.	42.0	55.6	0.6	2.4	0.6	.	444.9	469.6	335.6	440.1	396.8
Sweden	160	144	.	18.0	46.9	2.6	35.1	3.5	.	408.8	424.9	379.6	397.3	437.4
International Avg.	144	136	18.7	42.3	36.8	0.8	9.7	3.5	477.2	464.8	487.6	467.8	445.6	466.9

Question : How often do you assign mathematics homework that includes finding one or more applications of the content covered to the TIMSS class?
 Location : TQM3-31E (MT2MKMHF)

Country	Sample	Valid N	1.ALWAY S OR ALMOST ALWAYS %	2.SOMET IMES %	3.NEVER OR ALMOST NEVER %	Not Adminis tered %	Not Applica ble %	Omitted %	1.ALWAY S OR ALMOST ALWAYS Mean	2.SOMET IMES Mean	3.NEVER OR ALMOST NEVER Mean	Not Adminis tered Mean	Not Applica ble Mean	Omitted Mean
Armenia	71	61	9.5	65.8	20.3	0.0	4.4	14.6	425.9	422.2	471.7	.	435.6	430.7
Iran, Islamic Rep. of	185	177	17.4	60.4	17.2	0.0	5.0	4.8	477.2	499.6	496.3	.	523.4	505.9
Italy	130	128	21.6	55.9	22.5	0.3	.	0.2	437.7	448.7	457.4	573.0	.	502.8
Lebanon	271	252	25.7	57.7	11.4	0.3	5.2	6.5	545.4	545.0	542.9	502.0	545.7	544.4
Netherlands	118	113	1.4	10.7	73.5	3.2	14.3	1.8	556.9	542.5	554.6	539.6	548.6	572.7
Norway	120	120	.	27.2	62.4	0.0	10.3	0.0	.	434.9	441.6	.	436.1	.
Philippines	118	116	17.5	74.5	7.7	0.3	0.3	0.4	320.1	361.0	387.9	315.6	238.6	280.7
Russian Federation	166	161	32.7	63.0	4.3	0.2	.	1.8	567.8	556.8	548.2	623.5	.	607.1
Slovenia	96	93	.	31.6	66.0	0.6	2.4	1.3	.	430.6	472.1	335.6	440.1	449.6
Sweden	160	145	.	23.3	42.0	2.6	34.7	2.5	.	416.4	421.2	379.6	397.3	466.5
International Avg.	144	137	18.0	47.0	32.7	0.8	9.6	3.4	475.9	465.8	479.4	467.0	445.6	484.5

Question : How much emphasis do you place on classroom tests to monitor students' progress in mathematics?
 Location : TQM3-32A (MT2MEPCT)

Country	Sample	Valid N	1.MAJOR	2.SOME	3.LITTL	4.NO	Not	Omitted	1.MAJOR	2.SOME	3.LITTL	4.NO	Not	Omitted
			EMPHASI	EMPHASI	E	EMPHASI	Adminis		EMPHASI	EMPHASI	E	EMPHASI	Adminis	
			S	S	S	S	tered		S	S	S	S	tered	
			%	%	%	%	%	%	Mean	Mean	Mean	Mean	Mean	Mean
Armenia	71	64	66.5	29.3	4.2	.	0.0	10.0	438.4	439.1	417.4	.	.	388.2
Iran, Islamic Rep. of	185	177	61.8	35.2	2.6	0.5	0.0	3.7	497.4	496.5	468.1	594.8	.	497.4
Italy	130	129	71.3	28.7	.	.	0.3	0.0	454.2	434.0	.	.	573.0	.
Lebanon	271	237	72.4	23.3	4.1	0.2	0.8	12.7	543.8	550.3	543.4	519.1	556.9	540.5
Netherlands	118	115	96.1	2.4	1.0	0.5	3.2	0.0	552.8	565.1	524.2	559.5	539.6	.
Norway	120	120	96.2	3.8	.	.	0.0	0.0	440.3	411.4	.	.	.	.
Philippines	118	114	86.9	12.3	0.8	.	0.3	5.0	357.0	343.1	458.1	.	315.6	338.6
Russian Federation	166	165	95.0	3.8	1.2	.	0.2	0.0	560.4	545.7	645.5	.	623.5	.
Slovenia	96	95	74.6	23.0	2.4	.	0.6	0.0	462.8	444.9	439.6	.	335.6	.
Sweden	160	149	76.0	23.4	0.7	.	2.6	0.1	418.4	395.3	447.4	.	379.6	455.3
International Avg.	144	137	79.7	18.5	2.1	0.4	0.8	3.1	472.6	462.5	493.0	557.8	474.8	444.0

Question : How much emphasis do you place on informal assessment to monitor students' progress in mathematics?
 Location : TQM3-32B (MT2MEPIA)

Country	Sample	Valid N	1.MAJOR	2.SOME	3.LITTL	4.NO	Not	Omitted	1.MAJOR	2.SOME	3.LITTL	4.NO	Not	Omitted
			EMPHASI	EMPHASI	E	EMPHASI	Adminis		EMPHASI	EMPHASI	E	EMPHASI	Adminis	
			S	S	S	S	tered		S	S	S	S	tered	
			%	%	%	%	%	%	Mean	Mean	Mean	Mean	Mean	Mean
Armenia	71	63	6.4	41.8	41.6	10.1	0.0	11.4	501.7	437.9	423.7	457.0	.	392.1
Iran, Islamic Rep. of	185	176	19.9	49.2	25.3	5.7	0.0	4.4	488.1	494.4	503.3	525.4	.	489.0
Italy	130	129	17.6	59.6	22.2	0.6	0.3	0.0	409.2	453.8	463.8	498.7	573.0	.
Lebanon	271	224	39.1	36.8	19.1	5.0	1.1	17.9	546.2	546.5	542.8	535.8	545.7	542.8
Netherlands	118	115	5.5	16.5	31.3	46.8	3.2	0.0	563.5	551.2	551.0	553.5	539.6	.
Norway	120	120	5.9	65.4	24.8	3.8	0.0	0.0	453.6	436.8	443.0	433.9	.	.
Philippines	118	113	44.5	49.7	5.4	0.4	0.3	5.3	359.3	354.4	345.9	322.3	315.6	341.0
Russian Federation	166	163	20.1	55.2	20.7	4.0	0.2	1.4	587.3	548.9	574.9	541.8	623.5	501.9
Slovenia	96	95	50.6	43.0	5.3	1.0	0.6	0.0	464.6	452.0	452.7	424.6	335.6	.
Sweden	160	149	28.4	59.2	12.3	.	2.6	0.1	417.2	411.1	413.6	.	379.6	455.3
International Avg.	144	135	23.8	47.6	20.8	8.6	0.8	4.0	479.1	468.7	471.5	477.0	473.2	453.7

Question : How much emphasis do you place on other tests to monitor students' progress in mathematics?
 Location : TQM3-32C (MT2MEP0T)

Country	Sample	Valid N	1.MAJOR	2.SOME	3.LITTL	4.NO	Not	Omitted	1.MAJOR	2.SOME	3.LITTL	4.NO	Not	Omitted
			EMPHASI S %	EMPHASI S %	EMPHASI S %	EMPHASI S %	Adminis tered %		EMPHASI S Mean	EMPHASI S Mean	EMPHASI S Mean	EMPHASI S Mean	Adminis tered Mean	
Armenia	71	62	44.4	34.8	18.0	2.8	0.0	12.8	457.3	416.2	434.4	400.7	.	402.1
Iran, Islamic Rep. of	185	176	17.4	44.2	30.8	7.6	0.0	4.4	495.6	497.7	499.4	488.4	.	489.0
Italy	130	129	16.6	50.7	26.1	6.6	0.3	0.0	433.5	447.6	457.9	454.7	573.0	.
Lebanon	271	208	24.0	43.0	17.7	15.3	0.3	23.2	545.6	546.9	552.4	536.4	502.0	541.2
Netherlands	118	.	.	.	.	.	100.0	0.0	.	.	.	.	552.4	.
Norway	120	.	.	.	.	.	100.0	0.0	.	.	.	.	439.2	.
Philippines	118	99	15.0	54.0	27.5	3.4	0.3	19.4	352.9	344.7	377.2	308.0	315.6	361.9
Russian Federation	166	156	12.2	50.8	26.7	10.3	0.2	6.0	613.0	547.7	569.7	560.9	623.5	528.8
Slovenia	96	95	17.6	55.4	25.0	1.9	0.6	0.0	453.7	463.3	452.0	430.8	335.6	.
Sweden	160	149	74.1	25.0	0.9	.	2.6	0.1	418.4	395.5	473.6	.	379.6	455.3
International Avg.	144	134	27.7	44.8	21.6	6.8	20.4	6.6	471.2	457.4	477.1	454.3	465.1	463.0

Question : How often does the TIMSS class take a mathematics test or examination for a grade?
 Location : TQM3-33 (MT2MTEEX)

Country	Sample	Valid N	1.AT LEAST ONCE A MONTH %	2.ABOUT EVERY OTHER MONTH %	3.ABOUT 2 OR 3 TIMES A YEAR %	Not Adminis- tered %	Omitted %	1.AT LEAST ONCE A MONTH Mean	2.ABOUT EVERY OTHER MONTH Mean	3.ABOUT 2 OR 3 TIMES A YEAR Mean	Not Adminis- tered Mean	Omitted Mean
Armenia	71	60	42.0	34.3	23.7	0.0	15.1	452.7	432.5	395.6	.	435.9
Iran, Islamic Rep. of	185	182	43.2	33.8	23.1	0.0	1.0	505.3	485.0	500.2	.	448.0
Italy	130	129	84.7	10.5	4.8	0.3	0.0	452.4	423.0	433.2	573.0	.
Lebanon	271	262	70.6	24.5	4.9	0.3	2.7	544.4	544.6	545.0	502.0	559.9
Netherlands	118	114	5.2	59.1	35.7	3.2	1.0	543.2	553.3	552.8	539.6	581.1
Norway	120	120	33.0	67.0	.	0.0	0.0	434.0	441.8	.	.	.
Philippines	118	115	75.4	21.0	3.6	0.3	1.6	362.7	331.4	359.1	315.6	306.4
Russian Federation	166	165	92.8	7.2	.	0.2	0.0	559.5	578.0	.	623.5	.
Slovenia	96	95	29.2	69.8	1.1	0.6	0.0	456.3	460.5	351.8	335.6	.
Sweden	160	147	15.1	67.9	17.0	2.6	0.3	423.8	406.4	430.9	379.6	407.7
International Avg.	144	139	49.1	39.5	14.2	0.8	2.2	473.4	465.6	446.1	467.0	456.5

Question : What item formats do you typically use in your mathematics tests or examinations?
 Location : TQM3-34 (MT2MWFTU)

Country	Sample	Valid N	1.ONLY CONSTRU CTED RESPONS E %	2.MOSTL Y CONSTRU CTED RESPONS E %	3.ABOUT HALF CONSTRU CTED RESPONS E %	4.MOSTL Y OBJECTI VE %	5.ONLY OBJECTI VE %	Not Adminis tered %	Omitted %	1.ONLY CONSTRU CTED RESPONS E Mean	2.MOSTL Y CONSTRU CTED RESPONS E Mean	3.ABOUT HALF CONSTRU CTED RESPONS E Mean	4.MOSTL Y OBJECTI VE Mean	5.ONLY OBJECTI VE Mean	Not Adminis tered Mean	Omitted Mean
Armenia	71	64	7.5	4.2	59.0	26.1	3.1	0.0	9.1	422.2	443.4	435.0	452.4	396.1	.	383.5
Iran, Islamic Rep. of	185	180	9.9	33.4	48.3	8.4	.	0.0	2.9	464.0	488.3	506.1	506.9	.	.	521.2
Italy	130	129	30.8	48.2	14.1	6.0	0.8	0.3	0.0	474.2	456.4	397.5	373.2	433.3	573.0	.
Lebanon	271	245	4.6	35.2	25.3	31.2	3.8	4.7	4.4	555.7	551.0	545.8	533.2	547.3	553.2	546.2
Netherlands	118	115	94.5	2.2	1.7	1.6	.	3.2	0.0	553.1	534.9	563.6	552.2	.	539.6	.
Norway	120	116	19.5	47.4	20.3	10.1	2.6	0.6	2.8	437.5	438.2	443.5	429.0	435.9	387.6	489.2
Philippines	118	117	0.2	26.8	66.3	5.2	1.4	0.3	0.0	348.8	354.3	356.2	381.1	235.6	315.6	.
Russian Federation	166	165	23.2	42.7	34.1	.	.	0.2	0.0	568.0	570.9	543.5	.	.	623.5	.
Slovenia	96	93	57.7	37.8	3.7	.	0.8	0.6	2.8	474.5	436.4	396.7	.	530.2	335.6	474.1
Sweden	160	148	56.0	42.8	1.1	.	.	2.6	0.4	417.1	407.0	475.1	.	.	379.6	355.0
International Avg.	144	137	30.4	32.1	27.4	12.7	2.1	1.3	2.2	471.5	468.1	466.3	461.1	429.7	463.5	461.5

Question : How often do you include questions based primarily on recall of facts and procedures in your mathematics tests or examinations?
 Location : TQM3-35A (MT2MTQRF)

Country	Sample	Valid N	1.ALWAY S OR ALMOST ALWAYS %	2.SOMET IMES %	3.NEVER OR ALMOST NEVER %	Not Adminis tered %	Omitted %	1.ALWAY S OR ALMOST ALWAYS Mean	2.SOMET IMES Mean	3.NEVER OR ALMOST NEVER Mean	Not Adminis tered Mean	Omitted Mean
Armenia	71	64	53.5	46.5	.	0.0	9.1	441.6	433.2	.	.	383.5
Iran, Islamic Rep. of	185	184	60.0	38.7	1.3	0.0	0.7	492.9	502.1	547.7	.	436.6
Italy	130	129	23.3	57.5	19.2	0.3	0.0	465.8	449.9	422.9	573.0	.
Lebanon	271	258	26.4	58.2	15.4	0.3	4.8	546.4	542.4	549.0	502.0	552.6
Netherlands	118	112	26.3	20.8	52.9	3.2	1.2	559.1	551.0	549.8	539.6	583.6
Norway	120	118	50.4	41.6	8.0	0.0	2.1	444.8	435.3	436.7	.	395.2
Philippines	118	115	27.9	67.0	5.1	0.3	1.6	344.2	360.4	376.7	315.6	262.2
Russian Federation	166	163	41.6	50.6	7.8	0.2	1.6	556.4	561.0	584.9	623.5	552.8
Slovenia	96	93	84.7	15.3	.	0.6	2.8	455.0	472.6	.	335.6	474.1
Sweden	160	149	16.8	31.7	51.5	2.6	0.1	413.5	412.1	413.7	379.6	455.3
International Avg.	144	139	41.1	42.8	20.1	0.8	2.4	472.0	472.0	485.2	467.0	455.1

Question : How often do you include questions involving application of mathematical procedures in your mathematics tests or examinations?
 Location : TQM3-35B (MT2MTQAP)

Country	Sample	Valid N	1.ALWAY S OR ALMOST ALWAYS %	2.SOMET IMES %	3.NEVER OR ALMOST NEVER %	Not Adminis tered %	Omitted %	1.ALWAY S OR ALMOST ALWAYS Mean	2.SOMET IMES Mean	3.NEVER OR ALMOST NEVER Mean	Not Adminis tered Mean	Omitted Mean
Armenia	71	64	82.3	14.6	3.1	0.0	9.1	434.2	464.9	402.5	.	383.5
Iran, Islamic Rep. of	185	182	56.9	42.0	1.1	0.0	1.2	495.0	501.2	474.0	.	450.5
Italy	130	129	84.8	15.2	.	0.3	0.0	449.9	440.1	.	573.0	.
Lebanon	271	257	67.1	32.1	0.7	0.3	4.9	543.1	548.4	541.3	502.0	546.5
Netherlands	118	115	86.0	13.0	1.0	3.2	0.0	552.5	553.8	568.7	539.6	.
Norway	120	118	77.0	23.0	.	0.0	1.4	446.1	417.2	.	.	425.0
Philippines	118	115	90.9	7.8	1.2	0.3	2.4	359.8	328.9	348.8	315.6	272.5
Russian Federation	166	165	86.1	13.9	.	0.2	0.0	561.5	556.7	.	623.5	.
Slovenia	96	93	92.0	8.0	.	0.6	2.8	458.2	451.2	.	335.6	474.1
Sweden	160	149	83.1	16.9	.	2.6	0.1	415.7	400.7	.	379.6	455.3
International Avg.	144	139	80.6	18.7	1.4	0.8	2.2	471.6	466.3	467.1	467.0	429.6

Question : How often do you include questions involving searching for patterns and relationships in your mathematics tests or examinations?
 Location : TQM3-35C (MT2MTQSP)

Country	Sample	Valid N	1.ALWAY S OR ALMOST ALWAYS %	2.SOMET IMES %	3.NEVER OR ALMOST NEVER %	Not Adminis tered %	Omitted %	1.ALWAY S OR ALMOST ALWAYS Mean	2.SOMET IMES Mean	3.NEVER OR ALMOST NEVER Mean	Not Adminis tered Mean	Omitted Mean
Armenia	71	64	23.7	73.4	2.9	0.0	9.1	447.5	435.2	419.7	.	383.5
Iran, Islamic Rep. of	185	183	34.2	62.6	3.2	0.0	1.3	499.3	494.7	501.4	.	518.1
Italy	130	129	21.4	61.9	16.7	0.3	0.0	471.8	444.5	432.8	573.0	.
Lebanon	271	258	45.2	53.8	1.0	0.3	4.8	544.0	545.8	522.8	502.0	547.9
Netherlands	118	112	39.2	51.9	8.9	3.2	1.7	554.4	551.4	550.1	539.6	573.6
Norway	120	117	25.2	62.5	12.3	0.0	2.6	448.4	435.8	445.8	.	401.5
Philippines	118	115	38.5	57.7	3.8	0.3	2.4	353.4	357.5	393.0	315.6	272.5
Russian Federation	166	164	38.5	57.7	3.8	0.2	1.0	577.2	551.5	539.9	623.5	549.3
Slovenia	96	92	40.2	56.5	3.4	0.6	3.4	476.3	445.9	445.2	335.6	460.3
Sweden	160	149	14.5	73.3	12.3	2.6	0.1	400.7	413.5	425.7	379.6	455.3
International Avg.	144	138	32.1	61.1	6.8	0.8	2.6	477.3	467.6	467.6	467.0	462.4

Question : How often do you include questions requiring explanations or justifications in your mathematics tests or examinations?
 Location : TQM3-35D (MT2MTQRE)

Country	Sample	Valid N	1.ALWAY S OR ALMOST ALWAYS %	2.SOMET IMES %	3.NEVER OR ALMOST NEVER %	Not Adminis tered %	Omitted %	1.ALWAY S OR ALMOST ALWAYS Mean	2.SOMET IMES Mean	3.NEVER OR ALMOST NEVER Mean	Not Adminis tered Mean	Omitted Mean
Armenia	71	64	73.6	23.3	3.1	0.0	9.1	442.3	427.8	402.5	.	383.5
Iran, Islamic Rep. of	185	185	33.4	61.2	5.3	0.0	0.0	481.6	508.2	461.1	.	.
Italy	130	129	58.2	41.8	.	0.3	0.0	460.7	431.2	.	573.0	.
Lebanon	271	260	75.5	23.9	0.6	0.3	3.0	545.0	544.2	520.6	502.0	551.0
Netherlands	118	114	44.3	55.3	0.4	3.2	0.3	553.7	551.8	537.5	539.6	634.9
Norway	120	117	48.3	45.2	6.5	0.0	2.6	449.2	430.7	439.5	.	401.5
Philippines	118	114	30.2	66.2	3.6	0.3	2.9	336.7	366.4	377.3	315.6	268.8
Russian Federation	166	164	86.7	11.0	2.3	0.2	1.0	565.8	531.9	518.0	623.5	549.3
Slovenia	96	93	7.8	67.6	24.6	0.6	2.8	487.9	455.8	453.3	335.6	474.1
Sweden	160	149	85.2	14.7	0.0	2.6	0.1	411.6	421.8	494.3	379.6	455.3
International Avg.	144	139	54.3	41.0	5.2	0.8	2.2	473.5	467.0	467.1	467.0	464.8

Question : Average Percent of Students Taught Algebra Topics
 Location : DERIVED (MTDMTPAL)

Country	Sample	Valid N	N.A. %	Omit %	Mean	Mode	Min	P5	P10	Q1	Median	Q3	P90	P95	Max
Armenia	71	56	0.0	21.3	79.5	83.3	16.7	50.0	50.0	83.3	83.3	83.3	83.3	100.0	100.0
Iran, Islamic Rep. of	185	184	0.0	0.4	79.8	83.3	0.0	50.0	66.7	83.3	83.3	83.3	83.3	100.0	100.0
Italy	130	129	0.0	0.3	70.2	83.3	16.7	50.0	50.0	50.0	66.7	83.3	100.0	100.0	100.0
Lebanon	271	256	0.0	4.3	94.7	100.0	33.3	80.0	83.3	100.0	100.0	100.0	100.0	100.0	100.0
Netherlands	118	113	0.0	5.5	84.0	83.3	50.0	66.7	83.3	83.3	83.3	83.3	100.0	100.0	100.0
Norway	120	119	0.0	1.4	81.2	83.3	33.3	66.7	66.7	83.3	83.3	83.3	83.3	83.3	100.0
Philippines	118	116	0.0	1.1	84.8	100.0	0.0	50.0	66.7	83.3	83.3	100.0	100.0	100.0	100.0
Russian Federation	166	.	0.0	100.0	.	.	.	.	.	.	.	.	.	.	.
Slovenia	96	95	0.0	0.6	97.4	100.0	75.0	83.3	83.3	100.0	100.0	100.0	100.0	100.0	100.0
Sweden	160	146	0.0	4.2	69.3	66.7	0.0	50.0	50.0	66.7	66.7	83.3	83.3	100.0	100.0
International Avg.	144	135	0.0	13.9	82.3	87.0	25.0	60.7	66.7	81.5	83.3	88.9	92.6	98.1	100.0

Question : Average Percent of Students Taught Calculus Topics
 Location : DERIVED (MTDMTPCA)

Country	Sample	Valid N	N.A. %	Omit %	Mean	Mode	Min	P5	P10	Q1	Median	Q3	P90	P95	Max
Armenia	71	54	0.0	24.2	66.4	80.0	0.0	20.0	40.0	60.0	80.0	80.0	100.0	100.0	100.0
Iran, Islamic Rep. of	185	180	0.0	2.2	94.9	100.0	0.0	80.0	80.0	100.0	100.0	100.0	100.0	100.0	100.0
Italy	130	129	0.0	0.3	94.1	100.0	0.0	80.0	80.0	100.0	100.0	100.0	100.0	100.0	100.0
Lebanon	271	249	0.0	5.7	95.3	100.0	40.0	80.0	80.0	100.0	100.0	100.0	100.0	100.0	100.0
Netherlands	118	113	0.0	5.5	93.3	100.0	60.0	80.0	80.0	80.0	100.0	100.0	100.0	100.0	100.0
Norway	120	117	0.0	3.3	96.3	100.0	60.0	80.0	80.0	100.0	100.0	100.0	100.0	100.0	100.0
Philippines	118	117	0.0	0.3	64.3	100.0	0.0	0.0	0.0	40.0	80.0	100.0	100.0	100.0	100.0
Russian Federation	166	.	0.0	100.0	.	.	.	.	.	.	.	.	.	.	.
Slovenia	96	95	0.0	0.6	87.8	100.0	20.0	60.0	60.0	80.0	100.0	100.0	100.0	100.0	100.0
Sweden	160	145	0.0	4.2	94.8	100.0	60.0	80.0	80.0	100.0	100.0	100.0	100.0	100.0	100.0
International Avg.	144	133	0.0	14.6	87.5	97.8	26.7	62.2	64.4	84.4	95.6	97.8	100.0	100.0	100.0

Question : Average Percent of Students Taught Geometry Topics
 Location : DERIVED (MTDMTPGE)

Country	Sample	Valid N	N.A. %	Omit %	Mean	Mode	Min	P5	P10	Q1	Median	Q3	P90	P95	Max
Armenia	71	55	0.0	22.8	94.5	100.0	20.0	60.0	80.0	100.0	100.0	100.0	100.0	100.0	100.0
Iran, Islamic Rep. of	185	179	0.0	2.8	93.1	100.0	0.0	40.0	75.0	100.0	100.0	100.0	100.0	100.0	100.0
Italy	130	129	0.0	0.3	93.2	100.0	0.0	80.0	80.0	100.0	100.0	100.0	100.0	100.0	100.0
Lebanon	271	256	0.0	3.6	98.8	100.0	0.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Netherlands	118	113	0.0	5.5	80.7	80.0	40.0	40.0	60.0	80.0	80.0	100.0	100.0	100.0	100.0
Norway	120	119	0.0	1.4	90.8	100.0	20.0	60.0	80.0	80.0	100.0	100.0	100.0	100.0	100.0
Philippines	118	116	0.0	1.1	87.5	100.0	0.0	60.0	75.0	80.0	100.0	100.0	100.0	100.0	100.0
Russian Federation	166	.	0.0	100.0	.	.	.	.	.	.	.	.	.	.	.
Slovenia	96	95	0.0	0.6	99.1	100.0	80.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Sweden	160	146	0.0	3.8	71.9	60.0	20.0	40.0	60.0	60.0	80.0	80.0	100.0	100.0	100.0
International Avg.	144	134	0.0	14.2	90.0	93.3	20.0	64.4	78.9	88.9	95.6	97.8	100.0	100.0	100.0

Question : Average Percent of Students Taught All Mathematics Topics
 Location : DERIVED (MTDMTPOV)

Country	Sample	Valid N	N.A. %	Omit %	Mean	Mode	Min	P5	P10	Q1	Median	Q3	P90	P95	Max
Armenia	71	56	0.0	21.3	80.3	87.8	18.9	43.3	63.3	81.1	86.7	87.8	91.7	94.4	100.0
Iran, Islamic Rep. of	185	184	0.0	0.4	89.0	94.4	5.6	61.1	75.6	91.7	94.4	94.4	94.4	100.0	100.0
Italy	130	129	0.0	0.3	85.9	94.4	5.6	71.1	76.7	81.1	88.9	94.4	100.0	100.0	100.0
Lebanon	271	258	0.0	3.4	96.2	100.0	40.0	86.7	87.8	93.3	100.0	100.0	100.0	100.0	100.0
Netherlands	118	113	0.0	5.5	86.0	87.8	55.6	74.4	74.4	81.1	87.8	93.3	94.4	94.4	100.0
Norway	120	119	0.0	1.4	89.4	94.4	37.8	81.1	81.1	87.8	88.9	94.4	94.4	94.4	100.0
Philippines	118	117	0.0	0.3	78.9	100.0	0.0	50.0	55.6	67.8	81.1	93.3	100.0	100.0	100.0
Russian Federation	166	.	0.0	100.0	.	.	.	.	.	.	.	.	.	.	.
Slovenia	96	95	0.0	0.6	94.8	100.0	61.1	86.7	86.7	93.3	94.4	100.0	100.0	100.0	100.0
Sweden	160	147	0.0	3.6	78.6	75.6	33.3	56.7	63.3	74.4	80.6	87.8	94.4	94.4	100.0
International Avg.	144	135	0.0	13.7	86.6	92.7	28.6	67.9	73.8	83.5	89.2	93.9	96.6	97.5	100.0

Question : Teachers Feel Very Well Prepared to Teach Algebra Topics
 Location : DERIVED (MTDMMTAL)

Country	Sample	Valid N	N.A. %	Omit %	Mean	Mode	Min	P5	P10	Q1	Median	Q3	P90	P95	Max
Armenia	71	71	0.0	0.0	75.5	83.3	0.0	33.3	40.0	66.7	83.3	100.0	100.0	100.0	100.0
Iran, Islamic Rep. of	185	184	0.0	1.1	83.0	100.0	0.0	50.0	60.0	66.7	83.3	100.0	100.0	100.0	100.0
Italy	130	129	0.0	0.3	57.7	66.7	0.0	0.0	0.0	33.3	66.7	83.3	100.0	100.0	100.0
Lebanon	271	266	0.0	1.1	95.3	100.0	0.0	80.0	83.3	100.0	100.0	100.0	100.0	100.0	100.0
Netherlands	118	115	0.0	3.2	83.6	100.0	0.0	50.0	50.0	83.3	83.3	100.0	100.0	100.0	100.0
Norway	120	120	0.0	0.0	87.5	83.3	40.0	66.7	66.7	83.3	83.3	100.0	100.0	100.0	100.0
Philippines	118	115	0.0	1.8	76.4	100.0	0.0	33.3	50.0	50.0	83.3	100.0	100.0	100.0	100.0
Russian Federation	166	.	0.0	100.0	.	.	.	.	.	.	.	.	.	.	.
Slovenia	96	93	0.0	3.6	85.9	100.0	0.0	50.0	66.7	83.3	83.3	100.0	100.0	100.0	100.0
Sweden	160	144	0.0	8.0	77.0	100.0	0.0	33.3	50.0	66.7	83.3	100.0	100.0	100.0	100.0
International Avg.	144	137	0.0	11.9	80.2	92.6	4.4	44.1	51.9	70.4	83.3	98.1	100.0	100.0	100.0

Question : Teachers Feel Very Well Prepared to Teach Calculus Topics
 Location : DERIVED (MTDMTTCA)

Country	Sample	Valid N	N.A. %	Omit %	Mean	Mode	Min	P5	P10	Q1	Median	Q3	P90	P95	Max
Armenia	71	69	0.0	4.0	66.3	60.0	0.0	25.0	25.0	40.0	60.0	100.0	100.0	100.0	100.0
Iran, Islamic Rep. of	185	183	0.0	1.4	95.3	100.0	0.0	80.0	80.0	100.0	100.0	100.0	100.0	100.0	100.0
Italy	130	129	0.0	0.3	76.9	100.0	0.0	0.0	0.0	60.0	100.0	100.0	100.0	100.0	100.0
Lebanon	271	268	0.0	0.5	92.2	100.0	0.0	80.0	80.0	80.0	100.0	100.0	100.0	100.0	100.0
Netherlands	118	115	0.0	3.2	91.9	100.0	0.0	60.0	80.0	80.0	100.0	100.0	100.0	100.0	100.0
Norway	120	120	0.0	0.0	98.6	100.0	60.0	80.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Philippines	118	117	0.0	0.3	51.1	0.0	0.0	0.0	0.0	0.0	60.0	80.0	100.0	100.0	100.0
Russian Federation	166	.	0.0	100.0	.	.	.	.	.	.	.	.	.	.	.
Slovenia	96	92	0.0	5.9	79.1	80.0	0.0	40.0	60.0	60.0	80.0	100.0	100.0	100.0	100.0
Sweden	160	144	0.0	8.0	90.2	100.0	0.0	60.0	80.0	80.0	100.0	100.0	100.0	100.0	100.0
International Avg.	144	137	0.0	12.4	82.4	82.2	6.7	47.2	56.1	66.7	88.9	97.8	100.0	100.0	100.0

Question : Teachers Feel Very Well Prepared to Teach Geometry Topics
 Location : DERIVED (MTDMTTGE)

Country	Sample	Valid N	N.A. %	Omit %	Mean	Mode	Min	P5	P10	Q1	Median	Q3	P90	P95	Max
Armenia	71	70	0.0	2.6	88.7	100.0	0.0	40.0	80.0	80.0	100.0	100.0	100.0	100.0	100.0
Iran, Islamic Rep. of	185	184	0.0	1.1	83.8	100.0	0.0	20.0	40.0	80.0	100.0	100.0	100.0	100.0	100.0
Italy	130	129	0.0	0.3	71.3	100.0	0.0	0.0	0.0	60.0	80.0	100.0	100.0	100.0	100.0
Lebanon	271	267	0.0	0.8	97.4	100.0	0.0	80.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Netherlands	118	115	0.0	3.2	82.7	100.0	0.0	40.0	40.0	80.0	100.0	100.0	100.0	100.0	100.0
Norway	120	120	0.0	0.0	93.6	100.0	40.0	80.0	80.0	80.0	100.0	100.0	100.0	100.0	100.0
Philippines	118	115	0.0	1.8	67.2	60.0	0.0	20.0	40.0	40.0	60.0	80.0	100.0	100.0	100.0
Russian Federation	166	.	0.0	100.0	.	.	.	.	.	.	.	.	.	.	.
Slovenia	96	93	0.0	3.6	85.9	100.0	0.0	40.0	60.0	80.0	100.0	100.0	100.0	100.0	100.0
Sweden	160	143	0.0	8.2	76.7	100.0	0.0	40.0	40.0	60.0	80.0	100.0	100.0	100.0	100.0
International Avg.	144	137	0.0	12.2	83.0	95.6	4.4	40.0	53.3	73.3	91.1	97.8	100.0	100.0	100.0

Question : Teachers Feel Very Well Prepared to Teach All Mathematics Topics
 Location : DERIVED (MTDMMTOV)

Country	Sample	Valid N	N.A. %	Omit %	Mean	Mode	Min	P5	P10	Q1	Median	Q3	P90	P95	Max
Armenia	71	71	0.0	0.0	75.9	100.0	0.0	40.0	51.7	67.8	81.1	94.4	100.0	100.0	100.0
Iran, Islamic Rep. of	185	184	0.0	1.1	87.4	100.0	0.0	56.7	67.8	81.1	93.3	100.0	100.0	100.0	100.0
Italy	130	129	0.0	0.3	68.7	100.0	0.0	0.0	13.3	56.7	75.6	88.9	100.0	100.0	100.0
Lebanon	271	268	0.0	0.5	94.9	100.0	0.0	81.1	88.9	93.3	100.0	100.0	100.0	100.0	100.0
Netherlands	118	115	0.0	3.2	86.1	100.0	0.0	50.0	61.1	81.1	93.3	100.0	100.0	100.0	100.0
Norway	120	120	0.0	0.0	93.2	100.0	53.3	75.6	82.2	87.8	94.4	100.0	100.0	100.0	100.0
Philippines	118	117	0.0	0.3	65.0	93.3	0.0	30.0	36.7	47.8	66.7	82.2	100.0	100.0	100.0
Russian Federation	166	.	0.0	100.0	.	.	.	.	.	.	.	.	.	.	.
Slovenia	96	93	0.0	3.6	83.5	100.0	0.0	44.4	65.0	75.6	87.8	94.4	100.0	100.0	100.0
Sweden	160	144	0.0	8.0	81.3	100.0	0.0	53.3	63.3	70.0	82.2	100.0	100.0	100.0	100.0
International Avg.	144	138	0.0	11.7	81.8	99.3	5.9	47.9	58.9	73.5	86.0	95.6	100.0	100.0	100.0

Question : Index of Teachers' Participation in Professional Activities in Mathematics (PAM)
 Location : DERIVED (MTDMPAM)

Country	Sample	Valid N	1. HIGH %	2. MEDIUM %	3. LOW %	MISSING %	NOT ADMINIS TERED %	1. HIGH Mean	2. MEDIUM Mean	3. LOW Mean	MISSING Mean	NOT ADMINIS TERED Mean
Armenia	71	68	12.4	55.6	32.0	3.3	0.0	439.5	436.7	428.9	381.0	.
Iran, Islamic Rep. of	185	185	21.9	60.6	17.6	0.0	0.0	502.3	486.9	523.8	.	.
Italy	130	129	10.0	64.7	25.2	0.3	0.0	427.3	453.0	444.9	573.0	.
Lebanon	271	261	17.3	44.6	38.1	3.0	0.0	548.4	545.5	542.8	536.9	.
Netherlands	118	115	9.1	71.1	19.8	3.2	0.0	552.9	553.7	549.8	539.6	.
Norway	120	120	13.2	42.8	44.1	0.0	0.0	447.3	444.4	431.8	.	.
Philippines	118	117	24.3	68.1	7.6	0.3	0.0	350.4	358.4	342.3	315.6	.
Russian Federation	166	164	45.9	49.2	4.9	0.5	0.0	574.7	551.8	524.3	568.8	.
Slovenia	96	95	30.4	61.3	8.3	0.6	0.0	460.0	458.3	450.5	335.6	.
Sweden	160	144	11.7	63.3	25.0	8.0	0.0	410.6	416.9	413.2	378.9	.
International Avg.	144	140	19.6	58.1	22.3	1.9	0.0	471.3	470.6	465.2	453.7	.

Question : Frequency of Collaboration Among Advanced Mathematics Teachers
 Location : DERIVED (MTDMCOLL)

Country	Sample	Valid N	1. AT LEAST WEEKLY %	2. 2 OR 3 TIMES PER MONTH %	3. NEVER OR ALMOST NEVER %	MISSING %	NOT ADMINIS TERED %	1. AT LEAST WEEKLY Mean	2. 2 OR 3 TIMES PER MONTH Mean	3. NEVER OR ALMOST NEVER Mean	MISSING Mean	NOT ADMINIS TERED Mean
Armenia	71	70	29.5	69.5	1.0	2.6	0.0	439.1	431.6	363.3	419.7	.
Iran, Islamic Rep. of	185	184	6.6	58.8	34.5	0.8	0.0	485.8	496.9	501.0	394.7	.
Italy	130	129	7.3	53.5	39.2	0.3	0.0	436.2	444.8	455.5	573.0	.
Lebanon	271	261	17.0	63.7	19.3	2.7	0.0	540.0	545.3	546.3	549.6	.
Netherlands	118	115	0.3	55.5	44.2	3.2	0.0	578.7	553.3	552.2	539.6	.
Norway	120	118	8.9	72.0	19.1	2.0	0.0	440.9	434.7	451.0	481.7	.
Philippines	118	117	15.7	72.6	11.7	0.3	0.0	336.5	355.3	380.0	315.6	.
Russian Federation	166	164	35.5	58.7	5.8	1.1	0.0	558.2	564.8	536.2	581.4	.
Slovenia	96	95	4.4	52.6	43.0	0.6	0.0	424.2	466.3	451.6	335.6	.
Sweden	160	141	8.5	74.7	16.7	9.3	0.0	385.4	415.6	427.4	386.1	.
International Avg.	144	139	13.4	63.2	23.5	2.3	0.0	462.5	470.9	466.5	457.7	.

Question : Class Size for Advanced Mathematics Instruction
 Location : DERIVED (MTDMSTUD)

Country	Sample	Valid N	1. 0 TO 24 STUDENT S %	2. 25 TO 32 STUDENT S %	3. 33 TO 40 STUDENT S %	3. MORE THAN 40 STUDENT S %	MISSING %	NOT ADMINIS TERED %	1. 0 TO 24 STUDENT S Mean	2. 25 TO 32 STUDENT S Mean	3. 33 TO 40 STUDENT S Mean	3. MORE THAN 40 STUDENT S Mean	MISSING Mean	NOT ADMINIS TERED Mean
Armenia	71	59	67.0	25.3	7.7	.	17.8	0.0	443.2	429.9	358.2	.	430.6	.
Iran, Islamic Rep. of	185	183	28.4	41.1	11.7	18.8	0.9	0.0	481.9	506.0	495.7	504.0	412.7	.
Italy	130	129	79.7	20.3	.	.	0.3	0.0	444.2	464.8	.	.	573.0	.
Lebanon	271	269	77.7	15.1	3.6	3.5	0.3	0.0	547.5	533.2	540.5	540.3	502.0	.
Netherlands	118	114	81.6	16.3	2.1	.	4.4	0.0	554.7	547.0	529.6	.	541.8	.
Norway	120	116	70.4	29.6	.	.	2.2	0.0	437.0	443.0	.	.	459.0	.
Philippines	118	117	3.9	26.5	34.6	34.9	0.3	0.0	362.5	378.6	371.4	320.6	315.6	.
Russian Federation	166	165	58.4	41.6	.	.	0.2	0.0	565.2	554.7	.	.	623.5	.
Slovenia	96	95	16.8	72.6	10.6	.	0.6	0.0	400.5	469.3	473.1	.	335.6	.
Sweden	160	141	46.2	51.5	2.3	.	7.8	0.0	404.8	419.7	407.5	.	409.9	.
International Avg.	144	139	53.0	34.0	10.4	19.1	3.5	0.0	464.2	474.6	453.7	455.0	460.4	.

Question : Index of Student Factors Limiting Instruction in Advanced Mathematics
 Location : DERIVED (MTDMMCFL)

Country	Sample	Valid N	1. HIGH %	2. MEDIUM %	3. LOW %	MISSING %	NOT ADMINIS TERED %	1. HIGH Mean	2. MEDIUM Mean	3. LOW Mean	MISSING Mean	NOT ADMINIS TERED Mean
Armenia	71	59	34.8	55.9	9.3	17.8	0.0	441.3	426.5	443.9	430.6	.
Iran, Islamic Rep. of	185	185	10.6	57.6	31.7	0.0	0.0	522.3	497.6	486.8	.	.
Italy	130	129	22.0	70.0	8.0	0.3	0.0	482.4	442.7	404.5	573.0	.
Lebanon	271	256	32.8	60.7	6.4	5.0	0.0	549.2	542.5	535.1	553.7	.
Netherlands	118	115	46.5	53.5	.	3.2	0.0	554.9	551.1	.	539.6	.
Norway	120	120	51.6	44.7	3.7	0.0	0.0	444.2	435.0	421.1	.	.
Philippines	118	115	29.2	56.8	14.0	2.1	0.0	371.6	346.9	358.8	323.7	.
Russian Federation	166	165	31.8	56.2	12.0	0.2	0.0	584.4	549.5	551.7	623.5	.
Slovenia	96	95	33.8	63.9	2.3	0.6	0.0	483.8	444.8	451.2	335.6	.
Sweden	160	150	43.9	53.2	3.0	2.7	0.0	421.9	407.2	389.5	383.6	.
International Avg.	144	139	33.7	57.2	10.1	3.2	0.0	485.6	464.4	449.2	470.4	.

Question : Index of Teachers' Emphasis on Advanced Mathematics Homework (EMH)
 Location : DERIVED (MTDMEH)

Country	Sample	Valid N	1. HIGH %	2. MEDIUM %	3. LOW %	MISSING %	NOT ADMINIS TERED %	1. HIGH Mean	2. MEDIUM Mean	3. LOW Mean	MISSING Mean	NOT ADMINIS TERED Mean
Armenia	71	61	82.1	13.4	4.4	14.6	0.0	427.7	465.8	435.6	430.7	.
Iran, Islamic Rep. of	185	184	78.5	9.9	11.6	0.3	0.0	502.2	481.4	473.1	487.1	.
Italy	130	127	87.6	11.1	1.2	0.7	0.0	453.6	424.8	274.6	529.5	.
Lebanon	271	263	82.6	10.5	7.0	2.5	0.0	546.0	527.6	552.7	550.8	.
Netherlands	118	114	53.4	27.1	19.6	4.3	0.0	553.0	552.1	551.7	550.2	.
Norway	120	120	69.7	16.0	14.3	0.0	0.0	440.2	442.6	430.6	.	.
Philippines	118	117	34.3	52.9	12.8	0.3	0.0	383.1	343.4	329.2	315.6	.
Russian Federation	166	164	94.8	5.2	.	0.6	0.0	559.2	586.7	.	614.0	.
Slovenia	96	93	47.1	45.6	7.3	2.5	0.0	466.6	453.1	435.2	426.9	.
Sweden	160	148	39.0	23.0	38.0	3.1	0.0	425.9	419.0	396.6	384.8	.
International Avg.	144	139	66.9	21.5	12.9	2.9	0.0	475.8	469.7	431.0	476.6	.

Question : Index of Advanced Mathematics Teachers' Perceptions of Safety in Their Schools (TPSS)
 Location : DERIVED (MTDMPSS)

Country	Sample	Valid N	1. HIGH %	2. MEDIUM %	3. LOW %	MISSING %	NOT ADMINIS TERED %	1. HIGH Mean	2. MEDIUM Mean	3. LOW Mean	MISSING Mean	NOT ADMINIS TERED Mean
Armenia	71	71	90.9	7.8	1.2	0.0	0.0	434.8	395.7	519.9	.	.
Iran, Islamic Rep. of	185	179	99.3	0.7	.	3.9	0.0	497.1	490.2	.	489.0	.
Italy	130	129	85.8	12.0	2.3	0.3	0.0	453.0	433.0	354.0	573.0	.
Lebanon	271	268	87.6	11.0	1.4	0.6	0.0	545.9	540.6	510.2	534.1	.
Netherlands	118	115	96.0	4.0	.	3.2	0.0	553.5	538.5	.	539.6	.
Norway	120	119	93.8	6.2	.	1.0	0.0	440.0	421.5	.	483.7	.
Philippines	118	117	91.9	8.1	.	0.3	0.0	350.4	410.2	.	315.6	.
Russian Federation	166	165	79.5	19.7	0.7	0.2	0.0	565.9	544.1	460.2	623.5	.
Slovenia	96	95	84.5	14.4	1.0	0.6	0.0	462.6	435.3	411.9	335.6	.
Sweden	160	144	94.2	5.8	.	8.0	0.0	415.7	408.6	.	378.9	.
International Avg.	144	140	90.4	9.0	1.3	1.8	0.0	471.9	461.8	451.3	474.8	.

Question : Index of Advanced Mathematics Teachers' Perceptions of School Climate (TPSC)
 Location : DERIVED (MTDMPSC)

Country	Sample	Valid N	1. HIGH %	2. MEDIUM %	3. LOW %	MISSING %	NOT ADMINIS TERED %	1. HIGH Mean	2. MEDIUM Mean	3. LOW Mean	MISSING Mean	NOT ADMINIS TERED Mean
Armenia	71	70	6.0	60.7	33.3	2.9	0.0	434.8	450.8	402.3	402.5	.
Iran, Islamic Rep. of	185	184	21.4	49.5	29.1	0.7	0.0	529.0	497.0	473.6	456.2	.
Italy	130	129	4.4	36.7	59.0	0.3	0.0	501.4	456.3	439.6	573.0	.
Lebanon	271	262	31.3	46.7	22.0	2.3	0.0	557.4	546.1	525.5	530.3	.
Netherlands	118	112	1.7	58.8	39.5	7.2	0.0	556.6	554.4	551.2	542.8	.
Norway	120	116	11.2	61.9	27.0	3.5	0.0	449.9	432.8	450.0	436.0	.
Philippines	118	117	37.0	52.4	10.6	0.3	0.0	371.8	343.7	354.7	315.6	.
Russian Federation	166	165	7.5	72.8	19.6	0.2	0.0	616.2	564.1	527.5	623.5	.
Slovenia	96	92	9.2	60.2	30.6	4.3	0.0	490.7	470.7	418.6	475.2	.
Sweden	160	143	15.6	67.9	16.5	9.0	0.0	427.7	421.2	382.7	377.2	.
International Avg.	144	139	14.5	56.7	28.7	3.1	0.0	493.5	473.7	452.6	473.2	.