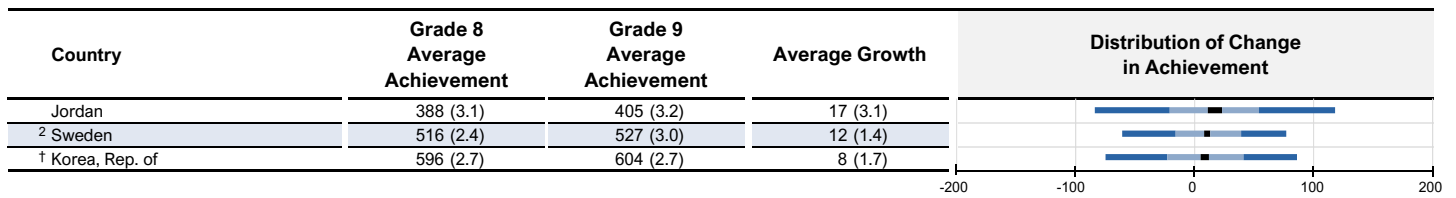
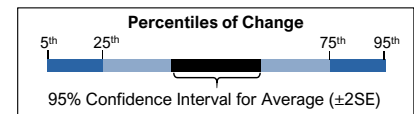


Exhibit 1.2.1a: Average Growth in Mathematics Achievement and Change Distributions

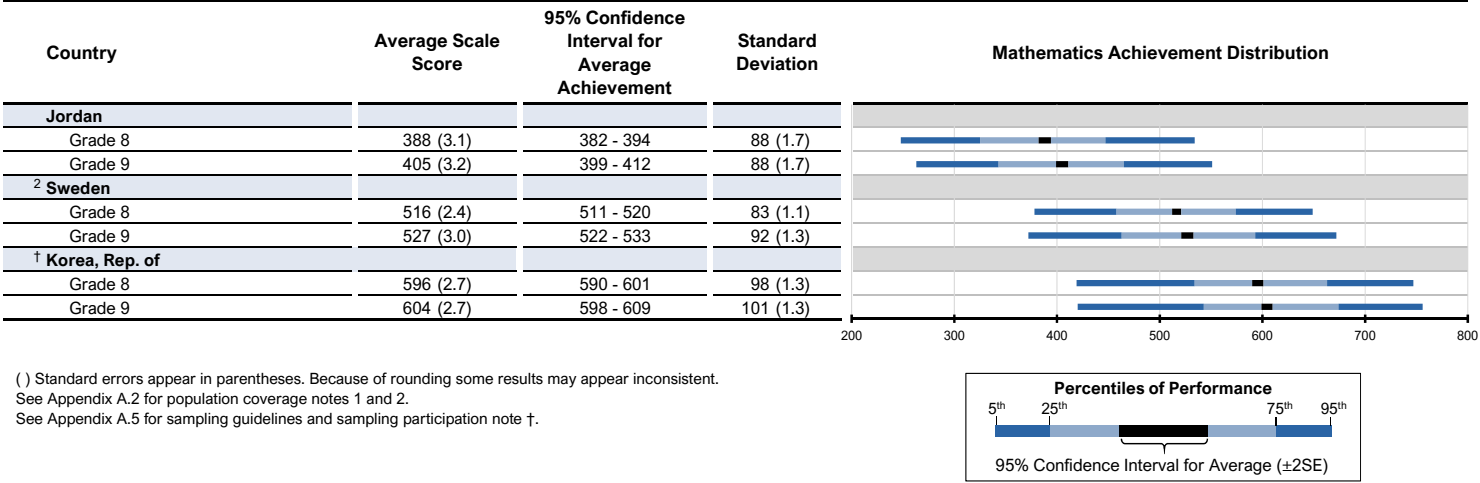


() Standard errors appear in parentheses. Because of rounding some results may appear inconsistent.
See Appendix A.2 for population coverage notes 1 and 2.
See Appendix A.5 for sampling guidelines and sampling participation note †.



SOURCE: IEA's Trends in International Mathematics and Science Study - TIMSS 2023 Longitudinal
Downloaded from: <https://timss2023.org/longitudinal/results>

Exhibit 1.2.1b: Average Mathematics Achievement and Scale Score Distributions



SOURCE: IEA's Trends in International Mathematics and Science Study - TIMSS 2023 Longitudinal
Downloaded from: <https://timss2023.org/longitudinal/results>