

Exhibit 5.10: Participation Rates (Unweighted) – TIMSS 2015 – Fourth Grade

Country	School Participation		Class Participation	Student Participation	Overall Participation	
	Before Replacement	After Replacement			Before Replacement	After Replacement
Australia	99%	99%	99%	94%	92%	92%
Bahrain (Combined)	100%	100%	100%	98%	98%	98%
Numeracy	100%	100%	100%	98%	98%	98%
TIMSS	100%	100%	100%	98%	98%	98%
Belgium (Flemish)	75%	97%	100%	98%	73%	95%
Bulgaria	97%	97%	100%	96%	93%	93%
Canada	79%	86%	99%	93%	73%	79%
Chile	85%	95%	100%	94%	80%	89%
Chinese Taipei	99%	100%	100%	99%	98%	99%
Croatia	99%	100%	99%	94%	92%	93%
Cyprus	100%	100%	100%	98%	98%	98%
Czech Republic	100%	100%	100%	95%	95%	95%
Denmark	53%	91%	100%	95%	51%	86%
England	95%	98%	100%	97%	92%	95%
Finland	99%	100%	100%	96%	96%	96%
France	96%	99%	100%	97%	93%	96%
Georgia	99%	100%	100%	98%	97%	98%
Germany	96%	98%	100%	96%	92%	94%
Hong Kong SAR	77%	83%	100%	93%	71%	77%
Hungary	99%	99%	100%	97%	95%	96%
Indonesia (Combined)	100%	100%	100%	98%	98%	98%
Numeracy	100%	100%	100%	98%	98%	98%
TIMSS	100%	100%	100%	98%	98%	98%
Iran, Islamic Rep. of (Combined)	100%	100%	100%	99%	99%	99%
Numeracy	100%	100%	100%	99%	99%	99%
TIMSS	100%	100%	100%	99%	99%	99%
Ireland	100%	100%	100%	96%	96%	96%
Italy	82%	99%	99%	96%	77%	93%
Japan	96%	99%	100%	98%	94%	97%
Jordan	100%	100%	100%	95%	95%	95%
Kazakhstan	94%	98%	100%	98%	93%	96%
Korea, Rep. of	100%	100%	100%	97%	97%	97%
Kuwait (Combined)	95%	95%	100%	92%	87%	87%
Numeracy	95%	95%	100%	91%	86%	86%
TIMSS	95%	95%	100%	94%	89%	89%

Exhibit 5.10: Participation Rates (Unweighted) – TIMSS 2015 – Fourth Grade (Continued)

Country	School Participation		Class Participation	Student Participation	Overall Participation	
	Before Replacement	After Replacement			Before Replacement	After Replacement
Lithuania	99%	100%	100%	93%	93%	93%
Morocco (Combined)	100%	100%	100%	97%	97%	97%
Numeracy	100%	100%	100%	97%	97%	97%
TIMSS	100%	100%	100%	98%	97%	97%
Netherlands	50%	87%	100%	96%	48%	83%
New Zealand	81%	96%	100%	94%	76%	90%
Northern Ireland	65%	77%	100%	92%	60%	71%
Norway (5)	93%	93%	100%	95%	88%	88%
Oman	97%	98%	100%	98%	95%	97%
Poland	91%	100%	100%	92%	84%	92%
Portugal	87%	98%	100%	93%	81%	91%
Qatar	100%	100%	100%	99%	99%	99%
Russian Federation	100%	100%	100%	98%	98%	98%
Saudi Arabia	94%	100%	100%	93%	87%	93%
Serbia	99%	100%	100%	96%	95%	96%
Singapore	100%	100%	100%	96%	96%	96%
Slovak Republic	97%	100%	100%	97%	94%	96%
Slovenia	96%	99%	100%	95%	90%	93%
South Africa (5)	99%	100%	100%	98%	97%	98%
Spain	98%	99%	100%	97%	95%	96%
Sweden	100%	100%	100%	95%	95%	95%
Turkey	100%	100%	100%	98%	98%	98%
United Arab Emirates	100%	100%	100%	97%	97%	97%
United States	77%	85%	100%	96%	74%	81%
Benchmarking Participants						
Buenos Aires, Argentina (Combined)	85%	91%	92%	87%	67%	72%
Numeracy	85%	91%	92%	87%	68%	72%
TIMSS	85%	91%	92%	87%	67%	72%
Ontario, Canada	96%	96%	100%	95%	90%	90%
Quebec, Canada	58%	70%	100%	95%	55%	66%
Norway (4)	94%	94%	100%	94%	89%	89%
Abu Dhabi, UAE	100%	100%	100%	96%	96%	96%
Dubai, UAE	100%	100%	100%	97%	97%	97%
Florida, US	100%	100%	100%	95%	95%	95%