

**Exhibit 13.7: TIMSS 2015 Sample Sizes for Scaling the Eighth Grade Data**

Country	Concurrent Calibration		Proficiency Estimation	
	2015	2011	2015	2011
Australia	10,338	7,556	10,338	7,556
Bahrain	4,918	4,640	4,918	4,640
Botswana (9)	5,964	5,400	5,964	5,400
Canada	—	—	8,757	—
Chile	4,849	5,835	4,849	5,835
Chinese Taipei	5,711	5,042	5,711	5,042
Egypt	—	—	7,822	—
England	4,814	3,842	4,814	3,842
Georgia	4,035	4,563	4,035	4,563
Hong Kong SAR	4,155	4,015	4,155	4,015
Hungary	4,893	5,178	4,893	5,178
Iran, Islamic Rep. of	6,130	6,029	6,130	6,029
Ireland	—	—	4,704	—
Israel	5,512	4,699	5,512	4,699
Italy	4,481	3,979	4,481	3,979
Japan	4,745	4,414	4,745	4,414
Jordan	7,865	7,694	7,865	7,694
Kazakhstan	4,887	4,390	4,887	4,390
Korea, Rep. of	5,309	5,166	5,309	5,166
Kuwait	—	—	4,503	—
Lebanon	3,873	3,974	3,873	3,974
Lithuania	2,933	4,747	4,347	4,747
Malaysia	9,726	5,733	9,726	5,733
Malta	—	—	3,817	—
Morocco	13,035	8,986	13,035	8,986
New Zealand	8,142	5,336	8,142	5,336
Norway (9)	—	—	4,697	—
Oman	8,883	9,542	8,883	9,542
Qatar	5,403	4,422	5,403	4,422
Russian Federation	4,780	4,893	4,780	4,893
Saudi Arabia	3,759	4,344	3,759	4,344
Singapore	6,116	5,927	6,116	5,927
Slovenia	4,257	4,415	4,257	4,415
South Africa (9)	12,514	11,969	12,514	11,969
Sweden	4,090	5,573	4,090	5,573

**Exhibit 13.7: TIMSS 2015 Sample Sizes for Scaling the Eighth Grade Data (Continued)**

Country	Concurrent Calibration		Proficiency Estimation	
	2015	2011	2015	2011
Thailand	6,482	6,124	6,482	6,124
Turkey	6,079	6,928	6,079	6,928
United Arab Emirates	18,012	14,089	18,012	14,089
United States	10,221	10,477	10,221	10,477
<b>Benchmarking Participants</b>				
Buenos Aires, Argentina	—	—	3,253	—
Ontario, Canada	—	—	4,520	—
Quebec, Canada	—	—	3,950	—
Norway (8)	4,795	3,862	4,795	3,862
Abu Dhabi, UAE	—	—	4,838	—
Dubai, UAE	—	—	6,149	—
Florida, US	—	—	2,074	—
<b>Total</b>	<b>221,706</b>	<b>203,783</b>	<b>282,204</b>	<b>203,783</b>