

**Exhibit 13.5: TIMSS Advanced 2015 Sample Sizes for Scaling the Physics Data**

Country	Item Calibration		Proficiency Estimation	
	2015	2008	2015	2008
Armenia	—	894	—	894
France	3,958	—	3,958	—
Iran, Islamic Rep. of	—	2,434	—	2,434
Italy	3,424	1,861	3,424	1,861
Lebanon	1,156	1,595	1,156	1,595
Netherlands	—	1,511	—	1,511
Norway	2,472	1,640	2,472	1,640
Portugal	1,783	—	1,783	—
Russian Federation	3,822	3,166	3,822	3,166
Slovenia	1,106	1,097	1,106	1,097
Sweden	3,727	2,291	3,727	2,291
United States	2,932	—	2,932	—
<b>Total</b>	<b>24,380</b>	<b>16,489</b>	<b>24,380</b>	<b>16,489</b>