

Exhibit 5.3: Population and Sample Sizes – TIMSS Advanced 2015 – Advanced Mathematics

Country	Population		Sample		
	Schools	Students	Schools	Students	Student Population Size Estimated From Population
France	2,106	162,106	144	3,967	172,309
Italy	1,820	149,637	113	3,318	142,350
Lebanon	1,635	62,121	251	1,161	4,457
Norway	266	6,903	133	2,537	6,752
Portugal	520	35,428	221	4,068	31,413
Russian Federation	5,534	141,903	346	7,558	138,733
Russian Federation 6hr+	672	26,134	163	3,431	25,855
Slovenia	80	7,138	69	2,922	6,888
Sweden	413	16,283	139	3,937	15,294
United States	33,411	3,816,235	241	2,954	473,872