

Appendix C.6: Student Sample Sizes

Country	Within-school Student Participation (Weighted Percentage)	Number of Sampled Students in Participating Schools	Number of Students Withdrawn from Class/School	Number of Students Excluded	Number of Eligible Students	Number of Students Absent	Number of Students Assessed
Armenia	98%	5,292	1	0	5,291	145	5,146
Australia	95%	6,709	103	122	6,484	338	6,146
Austria	98%	4,976	25	175	4,776	108	4,668
Azerbaijan	100%	5,098	206	0	4,892	10	4,882
Bahrain	98%	4,213	32	20	4,161	78	4,083
Belgium (Flemish)	98%	5,219	84	196	4,939	90	4,849
Chile	96%	6,010	81	79	5,850	265	5,585
Chinese Taipei	99%	4,376	18	35	4,323	39	4,284
Croatia	95%	5,097	27	245	4,825	241	4,584
Czech Republic	95%	4,895	28	35	4,832	254	4,578
Denmark	95%	4,452	54	183	4,215	228	3,987
England	94%	3,689	49	13	3,627	230	3,397
Finland	96%	4,917	23	53	4,841	203	4,638
Georgia	99%	4,958	23	56	4,879	80	4,799
Germany	96%	4,229	37	21	4,171	176	3,995
Hong Kong SAR	93%	4,330	21	65	4,244	287	3,957
Hungary	97%	5,488	40	67	5,381	177	5,204
Iran, Islamic Rep. of	99%	5,932	98	5	5,829	69	5,760
Ireland	95%	4,836	22	43	4,771	211	4,560
Italy	97%	4,529	26	153	4,350	150	4,200
Japan	97%	4,595	10	48	4,537	126	4,411
Kazakhstan	99%	4,521	37	41	4,443	61	4,382
Korea, Rep. of	98%	4,494	46	42	4,406	72	4,334
Kuwait	94%	4,431	0	0	4,431	289	4,142
Lithuania	94%	5,140	37	131	4,972	284	4,688
Malta	95%	3,958	24	142	3,792	185	3,607
Morocco	97%	8,414	273	0	8,141	300	7,841
Netherlands	97%	3,461	120	13	3,328	99	3,229
New Zealand	94%	6,172	129	96	5,947	375	5,572
Northern Ireland	93%	3,942	27	49	3,866	295	3,571
Norway	85%	3,881	21	122	3,738	617	3,121
Oman	98%	10,840	129	75	10,636	225	10,411
Poland	96%	5,316	15	71	5,230	203	5,027
Portugal	94%	4,384	18	64	4,302	260	4,042
Qatar	99%	4,394	178	70	4,146	29	4,117
Romania	98%	4,879	91	12	4,776	103	4,673
Russian Federation	98%	4,693	30	89	4,574	107	4,467
Saudi Arabia	99%	4,625	42	4	4,579	64	4,515
Serbia	97%	4,603	32	54	4,517	138	4,379
Singapore	96%	6,687	33	3	6,651	283	6,368
Slovak Republic	96%	5,933	45	46	5,842	226	5,616
Slovenia	97%	4,674	13	14	4,647	155	4,492
Spain	97%	4,461	16	156	4,289	106	4,183
Sweden	92%	5,235	75	84	5,076	413	4,663
Thailand	99%	4,556	74	0	4,482	34	4,448
Tunisia	99%	5,057	81	4	4,972	60	4,912
Turkey	98%	7,905	159	105	7,641	162	7,479
United Arab Emirates	97%	15,428	135	113	15,180	460	14,720
United States	95%	14,205	185	839	13,181	612	12,569
Yemen	97%	8,794	412	20	8,362	304	8,058

Students attending a sampled class at the time the sample was chosen but leaving the class before the assessment was administered were classified as “withdrawn.”

Students with a disability or language barrier that prevented them from participating in the assessment were classified as “excluded.”

Students not present when the assessment was administered, and not subsequently assessed in a make-up session, were classified as “absent.”

Appendix C.6: Student Sample Sizes (Continued)

Country	Within-school Student Participation (Weighted Percentage)	Number of Sampled Students in Participating Schools	Number of Students Withdrawn from Class/School	Number of Students Excluded	Number of Eligible Students	Number of Students Absent	Number of Students Assessed
Sixth Grade Participants							
Botswana	99%	4,298	39	8	4,251	53	4,198
Honduras	97%	4,186	117	0	4,069	150	3,919
Yemen	96%	5,364	212	15	5,137	208	4,929
Benchmarking Participants							
Alberta, Canada	96%	4,086	84	187	3,815	170	3,645
Ontario, Canada	96%	5,022	75	165	4,782	212	4,570
Quebec, Canada	95%	4,529	33	50	4,446	211	4,235
Abu Dhabi, UAE	98%	4,308	13	29	4,266	102	4,164
Dubai, UAE	96%	6,553	71	74	6,408	257	6,151
Florida, US	95%	3,121	43	265	2,813	152	2,661
North Carolina, US	95%	2,104	13	203	1,888	96	1,792

SOURCE: IEA's Trends in International Mathematics and Science Study – TIMSS 2011

Appendix C.7: Student Sample Sizes

Country	Within-school Student Participation (Weighted Percentage)	Number of Sampled Students in Participating Schools	Number of Students Withdrawn from Class/School	Number of Students Excluded	Number of Eligible Students	Number of Students Absent	Number of Students Assessed
Armenia	97%	6,057	0	0	6,057	211	5,846
Australia	90%	9,007	192	141	8,674	1,118	7,556
Bahrain	98%	4,960	185	27	4,748	108	4,640
Chile	95%	6,290	95	82	6,113	278	5,835
Chinese Taipei	99%	5,166	34	22	5,110	68	5,042
England	89%	4,382	88	3	4,291	449	3,842
Finland	95%	4,549	16	26	4,507	241	4,266
Georgia	98%	4,779	66	51	4,662	99	4,563
Ghana	97%	8,073	486	0	7,587	264	7,323
Hong Kong SAR	96%	4,261	42	55	4,164	149	4,015
Hungary	96%	5,489	28	55	5,406	228	5,178
Indonesia	96%	6,201	190	0	6,011	216	5,795
Iran, Islamic Rep. of	99%	6,264	141	0	6,123	94	6,029
Israel	92%	5,174	19	64	5,091	392	4,699
Italy	96%	4,379	23	210	4,146	167	3,979
Japan	94%	4,747	14	46	4,687	273	4,414
Jordan	96%	8,439	344	28	8,067	373	7,694
Kazakhstan	98%	4,551	70	25	4,456	66	4,390
Korea, Rep. of	99%	5,315	43	42	5,230	64	5,166
Lebanon	96%	4,231	103	0	4,128	154	3,974
Lithuania	93%	5,285	50	100	5,135	388	4,747
Macedonia, Rep. of	95%	4,360	67	23	4,270	208	4,062
Malaysia	98%	6,209	334	0	5,875	142	5,733
Morocco	94%	9,869	333	0	9,536	550	8,986
New Zealand	90%	6,079	128	41	5,910	574	5,336
Norway	94%	4,229	30	53	4,146	284	3,862
Oman	98%	9,947	140	36	9,771	229	9,542
Palestinian Nat'l Auth.	98%	8,069	120	27	7,922	110	7,812
Qatar	99%	4,641	167	18	4,456	34	4,422
Romania	99%	5,704	94	1	5,609	86	5,523
Russian Federation	98%	5,146	38	96	5,012	119	4,893
Saudi Arabia	98%	4,477	35	3	4,439	95	4,344
Singapore	95%	6,314	36	48	6,230	303	5,927
Slovenia	94%	4,722	11	29	4,682	267	4,415
Sweden	94%	6,210	114	137	5,959	386	5,573
Syrian Arab Republic	93%	4,756	0	0	4,756	343	4,413
Thailand	99%	6,404	201	0	6,203	79	6,124
Tunisia	97%	5,464	195	2	5,267	139	5,128
Turkey	97%	7,348	104	94	7,150	222	6,928
Ukraine	98%	3,491	27	14	3,450	72	3,378
United Arab Emirates	97%	14,716	106	48	14,562	473	14,089
United States	94%	11,864	302	398	11,164	687	10,477

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Students not present when the assessment was administered, and not subsequently assessed in a make-up session, were classified as “absent.”

Appendix C.7: Student Sample Sizes (Continued)

Country	Within-school Student Participation (Weighted Percentage)	Number of Sampled Students in Participating Schools	Number of Students Withdrawn from Class/School	Number of Students Excluded	Number of Eligible Students	Number of Students Absent	Number of Students Assessed
Ninth Grade Participants							
Botswana	98%	5,610	94	0	5,516	116	5,400
Honduras	96%	4,975	339	0	4,636	218	4,418
South Africa	95%	13,179	455	0	12,724	755	11,969
Benchmarking Participants							
Alberta, Canada	93%	5,579	96	294	5,189	390	4,799
Ontario, Canada	95%	5,198	31	143	5,024	268	4,756
Quebec, Canada	93%	6,879	91	75	6,713	564	6,149
Abu Dhabi, UAE	97%	4,513	11	4	4,498	125	4,373
Dubai, UAE	96%	5,915	57	36	5,822	251	5,571
Alabama, US	92%	2,414	27	87	2,300	187	2,113
California, US	94%	2,898	52	47	2,799	185	2,614
Colorado, US	94%	2,395	60	47	2,288	121	2,167
Connecticut, US	94%	2,356	16	115	2,225	126	2,099
Florida, US	91%	1,986	25	87	1,874	162	1,712
Indiana, US	96%	2,501	49	97	2,355	95	2,260
Massachusetts, US	96%	2,296	20	112	2,164	89	2,075
Minnesota, US	95%	2,720	32	61	2,627	127	2,500
North Carolina, US	95%	2,434	24	203	2,207	104	2,103

SOURCE: IEA's Trends in International Mathematics and Science Study – TIMSS 2011