Exhibit 2.10: Percentages of Students Reaching the International Benchmarks of Mathematics Achievement Across Assessment Years

Country	Advanced International Benchmark (625) Percent of Students							High International Benchmark (550) Percent of Students 2015 2011 2007 2003 1999 1995 81 78 70 77 77 84 72 73 71 66 67 67 70 70 70 67 70 70 67 70 70 70 70 70 70 70 70 70 70 70 70 70						
	Singapore	54	48 🔷	40 🔷	44 🔷	42 🔷	40 🔷	81	78	70 🔷	77	77	84	
Chinese Taipei	44	49 ♥	45	38 🛇	37 🔷		72	73	71	66 🛇	67 🔷			
Korea, Rep. of	43	47	40	35 🔷	32 🛇	31 🛇	75	77	71 🛇	70 🔷	70 🔷	67 🔷		
Hong Kong SAR	37	34	31 🛇	31 🛇	28 🛇	23 🔷	75	71	64 🛇	73	70	65 🔷		
Japan	34	27 🔷	26 🛇	24 🛇	29 🔷	29 🔷	67	61 🛇	61 🛇	62 🛇	66	67		
Kazakhstan	15	3 🛇					41	23 🛇						
Russian Federation	14	14	8 🔿	6 🛇	12	9 🔿	46	47	33 🛇	30 🔷	39 🔷	38 🔷		
Israel	13	12					38	40						
Hungary	12	8 🛇	10	11	13	10	37	32 🛇	36	41	43 €	40		
United States	10	7 🛇	6 🛇	7 🛇	7	4 🛇	37	30 🛇	31 🛇	29 🔿	30 🔷	26 🛇		
England	10	8	8	5 🛇	6 🛇	6 🛇	36	32	35	26 🔷	25 🔷	27 🔷		
Australia	7	9	6	7		7	30	29	24 🛇	29		33		
Ireland	7					8	38					37		
Lithuania	6	5	6	5	3 🛇	2 🛇	34	29 🔿	30 🔷	28 🔿	18 🔷	17 🛇		
New Zealand	6	5		5	6	6	27	24		24	26	28		
Turkey	6	7					20	20						
Slovenia	6	4 🛇	4	3 🛇		4 🛇	32	27 🔷	25 🔷	21 🛇		22 🛇		
United Arab Emirates	5	2 🛇					20	14 🛇						
Malta	5		5				29		26 🛇					
Sweden	3	1 🛇	2	3		12 🐨	26	16 🛇	20 🛇	24		46 €		
ψ Qatar	3	2					14	10 🔷						
Malaysia	3	2 🛇	2	6 €	10 €		18	12 🛇	18	30 €	36 €			
Italy	3	3	3	3	4		24	24	17 🛇	19 🔷	21			
Thailand	3	2	3		3		10	8	12		17 🗨			
ψ Iran, Islamic Rep. of	2	2	1 🛇	0 🛇	1 🔾	0 🛇	12	8 🛇	5 🛇	3 🛇	6 O	4 🛇		
Georgia	2	3	1 0				15	13	7 🛇					
Bahrain	2	1	0 🛇	0 🛇			12	8 🛇	3 🛇	2 🛇				
Norway (8)	1	1	0 🛇	0		4 €	17	12 🛇	11 🛇	10 🛇		26 €		
ψ Oman	1	0	0 🔿				6	4 🛇	2 🛇					
ψ Chile	1	1		0	1		7	5		3 🛇	4 🛇			
ж South Africa (9)	1	1					3	3						
ψ Egypt	0		1	1			5		5	6				
Lebanon	0	1	1	0			8	9	10	4 🛇				
ж Saudi Arabia	0	1					2	5 €						
ж Jordan	0	0	1 🐨	1 🐨	3 €		3	6 €	11 🐨	8 €	12 €			
ψ Kuwait	0		0				1		0 🛇					
ψ Botswana (9)	0	0					2	2						
ж Morocco	0	0					2	2						
enchmarking Participants														
Dubai, UAE	10	5 🛇	3 🛇				36	23 🛇	17 🛇					
Quebec, Canada	9	6 0	8	8	18 €	14	47	40 🔷	37 🛇	45	60 ♥	54		
Florida, US	7	8	-	-		,	28	31		·				
Ontario, Canada	6	4 0	6	6	6	3 🛇	37	31 🔾	33	34	32	26 🛇		
Abu Dhabi, UAE	3	2			,		14	12						

²⁰¹⁵ percent significantly higher

An empty cell indicates a country did not participate in that year's assessment.

Trend results for Kuwait do not include private schools. Trend results for Lithuania do not include students taught in Polish and Russian. South Africa (9) tested one year later.



lacktriangledown 2015 percent significantly lower

 $[\]ensuremath{\mathbb{X}}$ Reservations about reliability because the percentage of students with achievement too low for estimation exceeds 25%.

 $[\]Psi$ Reservations about reliability because the percentage of students with achievement too low for estimation exceeds 15% but does not exceed 25%.

Exhibit 2.10: Percentages of Students Reaching the International Benchmarks of Mathematics Achievement Across Assessment Years (Continued)

Country	Intermediate International Benchmark (475)							Low International Benchmark (400)						
	Percent of Students 2015 2011 2007 2003 1999 1995						Percent of Students 2015 2011 2007 2003 1999 1995							
Singapore	94	92	88 🖸	93	94	98 🕏	99	99	97 🔷	99	99	100 (
Chinese Taipei	88	88	86	85 🖸	85 🖸	70 •	97	96	95	96	95 🖸	100		
Korea, Rep. of	93	93	90 🔿	90 🛇	91	89 🔿	99	99	98 🔾	98 🔿	99	97 🕻		
Hong Kong SAR	92	89	85 0	93	92	88	98	97	94 🔷	98	98	96		
Japan Japan	89	87 🔾	87 🛇	88	90	91	98	97	97	98	98	98		
Kazakhstan	71	57 🔾	0/ 🛡	00	70	71	91	85 🗅	<i>)</i>	70	70	70		
Russian Federation	78	78	68 🛇	66 🛇	73	73	95	95	91 🖸	92 🛇	93	93		
Israel	65	68	00 🛡	00 🗨	7.5	7.5	84	87)) <u>,</u> _	75	,,,		
Hungary	67	65	69	75 €	75 €	74 ▼	88	88	91	95 €	93 ▼	94 (
United States	70	68	67	64 🔷	62 🛇	61 🛇	91	92	92	90	87 🖸	86		
England	69	65	69	61 🛇	60 🖸	61 🔾	93	88 🖎	90	90	88	87		
Australia	64	63	61	65	00 🛡	68	89	89	89	90	00 🗨	90		
Ireland	76	0.5	UI	03		73	94	07	07	70		91		
Lithuania	69	64 🛇	65	63 🛇	53 🛇	50 🔷	92	90	90	90	85 🗅	91		
New Zealand	58	57	03	59	57	64 ♥	85	84	90	88	84	81 (89 (
Turkey	42	40		37	J/	U1 U	70	67		00	04	07 (
Slovenia	73	67 🛇	65 🛇	60 🛇		60 🔿	95	93 🔷	92 🔿	90 🔿		90		
United Arab Emirates	46	42 🛇	0.5	00 🔾		00 🔾	73	73	<i>72</i> U	<i>50</i> O		90 1		
Malta	62	42	60				84	73	83 🖸					
Sweden	65	57 🔿	60 🔷	64		81 ▼	91	89 🗅	90	91		96 (
Ψ Oatar	36	29 🔾	00 🗷	04		01 👁	63	54 🛇	90	71		90 (
Malaysia	45	36 🔾	50	66 €	70 €		76	65 🖸	82 ▼	93 🐨	93 🐨			
Italy	62	64	54	56	53 🛇		89	90	85 🛇	86 🖸	82 🛇			
Thailand	29	28	34	J0 O	45 ⊙		62	62	66	00 🔾	79 ⊙			
ψ Iran, Islamic Rep. of	34	26	20 🔷	20 🗬	26 🛇	24 🛇	63	55 🔷	51 🔷	55 🖸	61	59		
Georgia	42	36 🔾	26 🔘	20 🔾	20 🔾	24	72	62 🖸	56 🛇)) U	01	33		
Bahrain	39	26 🔾	19 🛇	17 🔷			75	53 🛇	49 🔷	51 🛇				
Norway (8)	59	51 0	48	44 🛇		64 ♥	90	87 🔾	85 🔾	81 🛇		90		
ψ Oman	23	16 🛇	14 🛇	TT •		UT U	52	39 🔾	41 🔷	01		70		
ψ Chile	28	23 🔾	17 🔾	15 🛇	16 🛇		63	57 🔾	71 🛡	41 🛇	46 🔷			
⊀ South Africa (9)	13	9 0		15	10		34	24 🔾		₹1 🗨	70 ●			
ψ Egypt	21	, •	21	24			47	27 🛡	47	52 ♥				
Lebanon	35	38	36	27 🛇			71	73	74	68				
K Saudi Arabia	11	20 🐨	50	21			34	47 ⊙	7 7	00				
K Jordan	18	26 ⊙	35 €	30 €	33 €		45	55 ♥	61 👽	60 €	61 €			
ψ Kuwait	11	20 👽	6 🔾	J0 •	33 🐨		37	JJ 👽	29 🛇	00 👁	01 🛈			
ψ Botswana (9)	16	15	0 •				47	50	2)					
Ψ Morocco	14	12 🔘					41	36 🖸						
	14	12 🔾					41	30						
enchmarking Participants	/7	F2 A	47.				00	70 🚓	74.					
Dubai, UAE	67	53 🔷	47 🛇	00	03. 👄	00	88	79 🔷	74 🛇	00	00	00		
Quebec, Canada	86	82	78 🔷	88	93 ▼	90	98	98	97	99	99	99		
Florida, US	57	68 €	7.	75	72	(F. 🗪	84	94 €	0.5	07.0	06	04		
Ontario, Canada	75	71 🛇	74	75	72	65 🔷	95	94	95	97 ♥	96	91 (

2015 percent significantly higher

● 2015 percent significantly lower

