



1	1200	.1200	.1200	1.0	273	-10	0.31	2.20	3	1000	(2012)	2.0701	0.0000	0.0000	2100	0.01	1.2	0.00	0.00	0.00	1.11
1							-0.7107	-2.07		0.2121		1.71					1.22				
1							0.307	-1.3723		0.12227		1.712					0.				
1							0.33	-2.17		0.022		2.110					1.3				
1							-2.31	-2.277		0.3		1.273					1.1				
1							-0.10	-2.00		-0.002		2.0072					1.13				
1							-1.01	-1.020		0.21		1.71					1.12				
1							0.70	-1.71		0.0200		1.772					1.07				
1							1.3773	-1.732		-0.02		1.211					1.1				

Scale Transformation Constants for the TIMSS 2015 Schools Where Students Enter the Primary Grades, in Literacy and Numeracy Skills Scale, For 4th Grade



10.111117
0.701

**Equivalence Table of Raw and Transformed Scale Scores for the TIMSS
2015 Schools Where Students Enter the Primary Grades, High Literacy
and Numeracy Skills Scale, Fourth Grade**

Raw Score	Transformed Score	Raw Score
0	2.12	
1	7.133	
2	7.722	
3	.0137	
	2.032	
4	.0311	
	.03	
7	.730	
	.0332	
	.131	
10	.323	
11	.72	
12	.0	
13	.710	
14	.371	
15	.7	
16	10.072	
17	10.177	
18	10.31	
19	10.3711	
20	10.700	
21	10.33	
22	10.110	
23	10.317	
24	11.002	
25	11.223	
26	11.377	
27	11.77	
28	11.7207	11.7
29	11.32	
30	12.12	
31	12.03	
32	12.02	
33	13.707	

Cronbach's Alpha Reliability Coefficient and Principal Components Analysis of the Items in the TIMSS 2015 Schools Where Students Enter the Primary Grades, Literacy and Numeracy Skills Scale, Fourth Grade



Country	2012		2015	
	(1)	(2)	(3)	(4)

Australia		0.03		
Bahrain		0.00		
Belgium (Flemish)	0.00	0.01		
Bulgaria	0.0	0.07	0.03	0.0
Canada	0.01	0.02	0.02	0.02
Chile	0.0*	0.0		
Chinese Taipei		0.00		
Croatia		0.02	0.01	0.01
Cyprus			0.00	0.00
Czech Republic			0.00	0.00
Denmark			0.00	0.01
England			0.03	0.0
Finland			0.01	0.02
France			0.00	0.00
Georgia			0.00	0.00
Germany			0.01	0.01
Hong Kong SAR			0.02	0.02
Hungary			0.03	0.03
Indonesia			0.0*	0.0*
Iran, Islamic Rep. of			0.01	0.01
Ireland			0.00	0.00
Italy			0.00	0.00
Japan			0.01	0.01
Jordan			0.02	-
Kazakhstan			0.00	0.00
Korea			0.03	0.02
Kuwait			0.0	0.0*
Latvia			0.01	0.01
Lebanon			0.03	0.03
Lithuania			0.00	0.01
Maldives			0.00	0.01
Malta			0.0	0.0
Northern Ireland			-	-
Norway (5)	0.01		0.01	0.01
Oman	0.00		0.00	0.00
Poland			0.00	0.00
Portugal			0.01	0.01
Qatar	0.02		0.02	0.02
Russian Federation	0.0		0.02	0.03
Saudi Arabia			0.03	0.0*
Serbia			0.03	0.0
Singapore			0.02	0.03
Slovak Republic			0.03	0.0
Slovenia			0.00	0.00
South Africa (5)			0.03	-
Spain			0.0	0.0
Sweden			0.01	0.01
Turkey			0.02	0.01
United Arab Emirates			0.0	0.0*
United States	0.0	0.0*	0.03	0.0
International Median		0.02	0.02	0.01
Buenos Aires, Argentina	0.2*	0.0	0.07	0.0
Ontario, Canada		0.02	0.02	0.02
Quebec, Canada		0.01	0.01	0.01
Norway (4)		0.00	0.00	0.00
Abu Dhabi, UAE		0.0	0.07	0.0
Dubai, UAE		0.01	0.03	0.0
Florida, US		0.0	0.03	0.02