



Item Parameters for the TIMSS 2015 Students Like Learning Physics Scale, Eighth Grade

Item	delta	tau_1	tau_2	tau_3	Infit
BSBP34A	-0.07404	-1.30547	-0.15488	1.46035	0.78
BSBP34B*	0.45993	-1.00740	-0.17183	1.17923	1.73
BSBP34C*	0.26168	-1.15919	-0.28413	1.44332	1.54
BSBP34D	-0.54501	-1.21552	-0.43870	1.65422	0.83
BSBP34E	0.07244	-1.28315	-0.11316	1.39631	0.62
BSBP34F	0.42153	-1.49755	0.11984	1.37771	0.82
BSBP34G	-0.62535	-1.08281	-0.62965	1.71246	1.12
BSBP34H	-0.57460	-0.91537	-0.50031	1.41568	1.10
BSBP34I	0.60342	-1.27446	0.09125	1.18321	0.80

\*Reverse coded

Scale Transformation Constants for the TIMSS 2015 Students Like Learning Physics Scale, Eighth Grade

Scale Transformation Constants	
A = 9.037567	
B = 1.051045	


SOURCE: IEA's Trends in International Mathematics and Science Study – TIMSS 2015

Equivalence Table of Raw and Transformed Scale Scores for the TIMSS  
2015 Students Like Learning Physics Scale, Eighth Grade

Raw Score	Transformed Scale Score	Cutpoint
0	4.64895	
1	5.80878	
2	6.36558	
3	6.74953	
4	7.05428	
5	7.31372	
6	7.54411	
7	7.75905	
8	7.96155	
9	8.15567	
10	8.34431	
11	8.52962	
12	8.71320	
13	8.89640	8.9
14	9.08040	
15	9.26639	
16	9.45564	
17	9.64960	
18	9.85004	
19	10.05832	
20	10.27840	
21	10.51415	
22	10.77194	
23	11.06214	11.0
24	11.40300	
25	11.82828	
26	12.43593	
27	13.65813	

SOURCE: IEA's Trends in International Mathematics and Science Study – TIMSS 2015

Cronbach's coefficient



Georgia  
Hungary  
Kazakhstan  
Lebanon  
Lithuania

