



**Item Parameters for the TIMSS 2015 S den s Sense of School Belonging Scale, Fo r h Grade**

Item	Difficulty	Logit 1	Logit 2-1	Logit 3	Logit 4
11	0.727	-0.337	-0.123	1.1712	1.0
11	0.127	-0.373	-0.72	1.0070	1.01
11	0.303	-0.22	-0.727	0.72	1.02
11	-0.727	0.0372	-0.7231	0.27	1.13
11	0.077	-0.200	-0.7003	0.7072	1.10
11	0.1372	-0.1232	-0.03	0.72713	0.
11	-0.070	-0.02	-0.717	0.7	1.00

**Scale Transformation Constants for the TIMSS 2015 S den s Sense of School Belonging Scale, Fo r h Grade**

7.077	TransformedScaleScore = 7.0578 + 1.5388 * LogitScaleScore
1.7077	

**Equivalence Table of Raw and Transformed Scale Scores for the TIMSS 2015 Students' Sense of School Belonging Scale, Fourth Grade**

Raw Score	Transformed Score	Raw Score	Transformed Score
0	2.27		
1	3.		
2	3.327		
3	3.77		
	3.31312		
	3.30		
	3.33		
7	.0		
	3.3273		
	3.2		
10	3.7277		
11	3.72		
12	7.222		
13	7.31		
14	7.7213		
15	3.00		
16	3.300		
17	.71		
18	3.13	18.1	
19	3.302		
20	10.771		
21	12.33		

Table 15.1: Equivalence Table of Raw and Transformed Scale Scores for the TIMSS 2015 Students' Sense of School Belonging Scale, Fourth Grade



