



Table 10.1.1. Percentage of students reporting exposure to violence at school and outside school, 2011 and 2015



**Equivalence Table of Raw and Transformed Scale Scores for the TIMSS  
2015 Student Confidence in Physics Scale, Eighth Grade**

Raw Score	Transformed Score	Equivalence Score
0	3.271	11.2
1	3.177	11.1
2	3.0021	10.9
3	2.7712	10.7
4	2.7022	10.5
5	2.7077	10.3
6	2.7322	10.1
7	2.7003	9.9
8	2.6223	9.7
9	2.5333	9.5
10	2.43	9.3
11	2.3032	9.1
12	2.3373	8.9
13	2.2777	8.7
14	2.23	8.5
15	10.07	8.3
16	10.370	8.1
17	10.770	7.9
18	10.33	7.7
19	11.307	7.5
20	11.2	7.3
21	12.121	7.1
22	12.7322	6.9
23	13.772	6.7
24	14.27	6.5

## **Cronbach's Alpha Reliability Items in the TIMSS 2015 Science Scale, Eighth Grade**

	$\alpha$	$\beta$	$\gamma$	$\delta$	$\epsilon$	$\zeta$	$\eta$	$\theta$	$\varphi$	$\psi$	$\chi$	$\omega$
$\alpha$	0.0	2	0.73	0.	0.3	0.77	0.72	0.	0.72	0.7	0.7	0.7
$\beta$	0.0	5	0.3	0.72	0.7	0.3	0.7	0.77	0.72	0.7	0.7	0.7
$\gamma$	0.	1	0.7	0.	0.73	0.7	0.77	0.7	0.3	0.2	0.2	0.2
$\delta$	0.72	3	0.7	0.37	0.27	0.1	0.7	0.1	0.2	0.1	0.2	0.1
$\epsilon$	0.	2	0.2	0.70	0.71	0.0	0.7	0.7	0.	0.73	0.	0.73
$\zeta$	0.	7	0.7	0.73	0.7	0.7	0.7	0.7	0.7	0.72	0.73	0.73
$\eta$	0.3	3	0.7	-0.3	-0.	0.	0.73	0.7	-0.	-0.	-0.	-0.0
$\theta$	0.	7	0.7	0.73	0.2	0.2	0.77	0.7	0.7	0.7	0.7	0.2
$\varphi$	0.1	0	0.2	0.7	0.1	0.3	0.0	0.7	0.7	0.7	0.72	0.72
$\psi$	0.	7	0.0	0.71	0.77	0.2	0.7	0.	0.	0.	0.72	0.72

