## **TIMSS 2011**

## The TIMSS 2011 Students Bullied at School Scale, Fourth Grade

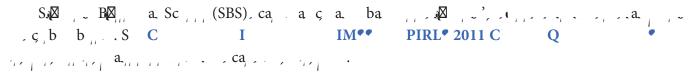


Exhibit 1: Items in the TIMSS 2011 Students Bullied at School Scale, Fourth Grade

	During this year, how often have any of the following things happened to you at school?						
		Never	A few times a year	Once or twice a month	At least once a week		
ASBG09A	1) I was made fun of or called names	A	— A —	— A —	— A		
ASBG09B	I was left out of games or activities by other students	Д —	— A —	— A —	— A		
ASBG09C	3) Someone spread lies about me	A —	— A —	— A —	— A		
ASBG09D	4) Something was stolen from me	A	— A —	— A —	— A		
ASBG09E	5) I was hit or hurt by other student(s) (e.g., shoving, hitting, kicking)	А —	—— A —	— A —	— A		
ASBG09F	6) I was made to do things I didn't want to do by other students	A	— A —	— A —	— A		
		•	<b>↑</b>	<u> </u>	<b></b>		

Exhibit 2: Item Parameters for the TIMSS 2011 Students Bullied at School Scale, Fourth Grade

ltem	delta	tau_1	tau_2	tau_3
ASBG09A	-0.41282	0.30355	-0.24707	-0.05648
ASBG09B	-0.66585	0.21886	0.11132	-0.33018
ASBG09C	-0.69983	0.14933	-0.03218	-0.11715
ASBG09D	-1.06791	0.37187	-0.15157	-0.22030
ASBG09E	-0.75952	0.12218	-0.10165	-0.02053
ASBG09F	-1.26236	0.47901	0.20078	-0.67979

Raw Score		

Exhibit 5: Cronbach's Alpha Reliability Coe cient and Principal Components Analysis of the Items in the TIMSS 2011 Students Bullied at School Scale, Fourth Grade

## Exhibit 5: Cronbach's Alpha Reliability Coe cient and Principal Components Analysis of the Items in the TIMSS 2011 Students Bullied at School Scale, Fourth Grade (Continued)

Country	Cronbach's Alpha Reliability Coeffict	8				
			<del>,</del>			

and TIMSS 2011 Achievement (Continued)