

Exhibit 15.7: Differences in Parameter Estimates for Common Items on the TIMSS 2011 Logit Metric, Students Confident in Mathematics Scale, Fourth Grade

TIMSS 2015 Variable	TIMSS 2011 Variable	Difference in delta	Difference in tau_1	Difference in tau_2	Difference in tau_3
ASBM03A	ASBM03A	0.01907	-0.01847	-0.08334	0.10181
ASBM03B*	ASBM03B*	0.07164	0.00355	-0.07789	0.07434
ASBM03C*	ASBM03C*	-0.05559	-0.00555	-0.03665	0.04220
ASBM03D	ASBM03D	0.02644	0.07476	-0.07052	-0.00424
ASBM03F	ASBM03E	0.05700	0.08382	-0.02372	-0.06010
ASBM03G	ASBM03F	-0.08982	0.04175	-0.03405	-0.00770
ASBM03H*	ASBM03G*	-0.02875	-0.01985	-0.03125	0.05110

^{*} Reverse coded