

Exhibit 13.11: TIMSS Advanced 2015 Linear Transformation Constants for Advanced Mathematics Achievement Scores

Overall Mathematics	TIMSS Advanced 2008 Published Scores		TIMSS Advanced 2008 Re-Scaled Scores		$A_{k,i}$	$B_{k,i}$
	Mean	Standard Deviation	Mean	Standard Deviation		
PV1	482.08004	102.02112	0.02399	0.96695	479.54919	105.50867
PV2	484.06485	101.87143	0.01989	0.97315	481.98240	104.68254
PV3	481.55003	101.94905	0.01522	0.98122	479.96851	103.90001
PV4	483.32440	101.66813	0.02280	0.97990	480.95897	103.75383
PV5	483.13244	102.27646	0.01689	0.98610	481.38015	103.71804