Exhibit 12.8: Linear Transformation Constants for PIRLS 2016 Achievement Scales

Overall Reading	PIRLS 2011 Published Scores		PIRLS 2011 Re-scaled Scores		$A_{k,i}$	$B_{k,i}$
	Mean	Standard Deviation	Mean	Standard Deviation		
PV1	514.88796	93.40789	-0.02153	0.96698	516.96808	96.59763
PV2	514.33588	94.16192	-0.01873	0.96533	516.16294	97.54392
PV3	514.10484	93.95296	-0.01702	0.96329	515.76531	97.53376
PV4	514.09822	94.15851	-0.01852	0.96502	515.90514	97.57133
PV5	514.19052	93.93593	-0.01874	0.96576	516.01365	97.26663

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CHAPTER 12: SCALING THE PIRLS 2016 ACHIEVEMENT DATA
METHODS AND PROCEDURES IN PIRLS 2016   **12.15**