

Figure 7. US 4th and 8th Grade student Achievement in

Geometry. Both the 4th and 8th grade TIMSS tests had geometry sub-tests. The items for 8th grade were naturally more advanced. These lists are divided into three tiers just were those in Figure a6. US Students in both grades were in the middle tier. US students in both grades were in the middle tier. US 4th graders performed far better on the simpler geometry items in their tests than US 8th graders did with more demanding items in their test. These different levels of achievement probably show effects from differences in how focused the curriculum was at the two grades.

Grade 4	
Nation	Percent Correct
Hong Kong	74
(Australia)	74
England	74
Scotland	72
Japan	72
Singapore	72
Korea	72
Canada	72
(Slovenia)	72
(Netherlands)	71
United States	71
Czech Republic	71
(Austria)	67
(Latvia(LSS))	67
Ireland	66
New Zealand	66
(Hungary)	66
Iceland	63
(Israel)	62
Norway	58
Greece	53
(Thailand)	53
Cyprus	53
Portugal	52
Iran, Islamic Republic	42
(Kuwait)	36

Grade 8	
Nation	Percent Correct
Japan	80
Singapore	76
Korea	75
Hong Kong	73
Czech Republic	66
France	66
(Bulgaria)	65
Belgium-Flemish	64
Russian Federation	63
Slovak Republic	63
(Thailand)	62
(Slovenia)	60
Hungary	60
Switzerland	60
(Netherlands)	59
(Belgium-French)	58
Canada	58
(Australia)	57
(Israel)	57
(Austria)	57
Latvia (LSS)	57
New Zealand	54
England	54
(Denmark)	54
Lithuania	53
(Romania)	52
(Scotland)	52
Ireland	51
(Germany)	51
Iceland	51
Norway	51
(Greece)	51
Spain	49
Sweden	48
United States	48
Cyprus	47
Portugal	44
Iran, Islamic Republic	43
(Kuwait)	38
(Colombia)	29
(South Africa)	24