

# Archived Information

## Exhibit B-3: Fourth-Grade Mathematics Performance, by Subtopic

### Average Percent Correct

Meaning of Whole Numbers	Integers & Whole Number Operations	Common Fractions	Decimal Fractions	Estimating Quantity & Size	Rounding & Estimating Computations	Measurement Units
<b>Higher than FiW</b>	<b>Same as FiW</b>	<b>Same as FiW</b>	<b>Higher than FiW</b>	<b>Higher than FiW</b>	<b>Same as FiW</b>	<b>Higher than FiW</b>
Korea 88.1	Korea 82.5	Singapore 71.8	Singapore 83.2	Japan 78.0	Korea 76.8	Japan 76.5
	Japan 80.2	<b>First in the World</b> 65.7	Korea 75.0	Hong Kong 70.5	Japan 74.8	Korea 72.1
<b>Same as FiW</b>	Singapore 79.2	Hong Kong 65.3	Hong Kong 72.6	Czech Republic 67.9	Hong Kong 74.8	Netherlands 72.0
<b>First in the World</b> 81.7	<b>First in the World</b> 78.6	Japan 62.5	Japan 71.3	Hungary 67.3	Singapore 74.3	Czech Republic 68.2
Singapore 81.6	Hong Kong 76.9	Korea 61.5		Korea 67.0	<b>First in the World</b> 73.8	Hong Kong 67.6
Japan 79.9	Czech Republic 74.4	Hungary 61.2	<b>Same as FiW</b>	Netherlands 65.9	Netherlands 68.7	Hungary 66.3
		Netherlands 60.2	<b>First in the World</b> 59.7	Singapore 65.3	Hungary 68.6	
<b>Lower than FiW</b>	<b>Lower than FiW</b>	<b>Lower than FiW</b>	<b>Lower than FiW</b>	Australia 61.2	Czech Republic 68.1	<b>Same as FiW</b>
Hong Kong 76.4	Netherlands 73.2	<b>United States</b> 53.7	Netherlands 47.1	Norway 60.6	<b>United States</b> 67.2	Singapore 61.3
Hungary 74.5	Hungary 71.5	Israel 53.3	<b>United States</b> 46.8			Australia 60.2
Netherlands 73.3	<b>United States</b> 67.6	Australia 52.0	<b>INTERNATIONAL</b> 44.6	<b>Same as FiW</b>	<b>Lower than FiW</b>	Norway 60.0
Czech Republic 72.9	Israel 66.3	Canada 50.4	<b>INTERNATIONAL</b> 43.7	<b>INTERNATIONAL</b> 57.2	Canada 61.6	<b>First in the World</b> 58.0
Israel 69.8	<b>INTERNATIONAL</b> 64.1	Czech Republic 49.7	Thailand 43.6	<b>First in the World</b> 52.9	Israel 61.2	<b>INTERNATIONAL</b> 56.8
<b>United States</b> 69.8	Canada 61.5	<b>INTERNATIONAL</b> 50.0	Canada 41.5	England 52.2	Australia 59.4	
Australia 68.9	Australia 61.5	England 49.1	Czech Republic 40.1	New Zealand 51.9	<b>INTERNATIONAL</b> 55.2	<b>Lower than FiW</b>
Canada 68.7	Norway 57.6	Thailand 46.4	Hungary 36.4	Canada 50.7	New Zealand 47.9	England 52.3
<b>INTERNATIONAL</b> 65.9	England 53.1	New Zealand 45.3	Israel 34.2	Israel 50.5	England 47.7	Canada 51.7
Norway 61.4	Thailand 52.7	Norway 39.2	England 32.0	Thailand 49.8	Norway 46.4	Israel 51.0
New Zealand 59.1	New Zealand 50.8		Norway 28.9	<b>United States</b> 47.1	Thailand 39.1	New Zealand 49.7
England 59.0			New Zealand 26.3			<b>United States</b> 48.0
Thailand 57.3						Thailand 43.2
Perimeter, Area, & Volume	Geometry: Position & Shapes	Symmetry, Congruence, & Similarity	Proportionality	Patterns, Relations, & Functions	Equations & Formulas	Data & Statistics
<b>Higher than FiW</b>	<b>Same as FiW</b>	<b>Same as FiW</b>	<b>Same as FiW</b>	<b>Same as FiW</b>	<b>Higher than FiW</b>	<b>Same as FiW</b>
Singapore 75.9	<b>First in the World</b> 77	Singapore 88.9	Singapore 63.7	Korea 85.0	Korea 85.3	<b>First in the World</b> 86.4
Korea 73.5	Australia 71.9	Korea 88.8	Netherlands 62.7	<b>First in the World</b> 78.0		
<b>Same as FiW</b>	<b>Lower than FiW</b>	Hong Kong 85.4	<b>First in the World</b> 59.4	Hong Kong 77.8	<b>Same as FiW</b>	<b>Lower than FiW</b>
Netherlands 71.0	England 70.6	<b>First in the World</b> 85.2	Korea 58.1	Singapore 77.5	Japan 84.3	Singapore 80.8
Hong Kong 70.8	Netherlands 70.3	England 80.9	Japan 57.7	Japan 77.2	Singapore 82.6	Korea 79.8
Czech Republic 68.2	Hong Kong 70.1	<b>Lower than FiW</b>	Czech Republic 57.3		<b>First in the World</b> 78.5	Japan 78.3
Japan 67.5	Canada 69.4	Australia 79.9	Hungary 55.5	<b>Lower than FiW</b>	Hong Kong 76.9	Hong Kong 75.8
<b>First in the World</b> 65.9	<b>United States</b> 67.7	Japan 79.5	Hong Kong 53.3	Hungary 71.4	Hungary 72.4	Netherlands 75.4
Hungary 62.8	Czech Republic 67.4	<b>United States</b> 78.5		Netherlands 70.4	Netherlands 72.2	<b>United States</b> 73.0
Australia 62.2	Japan 66.7	Canada 78.5	<b>Lower than FiW</b>	Czech Republic 69.8	<b>Lower than FiW</b>	Canada 68.0
	Singapore 65.3	Czech Republic 77.8	Australia 51.3	<b>Lower than FiW</b>	Australia 69.6	Czech Republic 67.1
<b>Lower than FiW</b>	New Zealand 65.3	Netherlands 74.1	England 46.6	<b>United States</b> 69.1	Czech Republic 71.0	Australia 67.1
Canada 59.3	Korea 65.1	Hungary 73.3	Israel 46.0	Canada 67.1	Israel 66.8	England 65.8
<b>INTERNATIONAL</b> 58.8	Hungary 62.3	<b>INTERNATIONAL</b> 70.5	<b>INTERNATIONAL</b> 45.6	<b>INTERNATIONAL</b> 63.2	<b>United States</b> 65.6	Israel 63.4
<b>United States</b> 58.3	<b>INTERNATIONAL</b> 61.7	New Zealand 69.1	<b>United States</b> 45.5	Israel 62.6	<b>INTERNATIONAL</b> 62.0	New Zealand 61.5
Israel 57.1	Israel 59.1	Israel 69.0	Canada 43.8	England 62.0	Canada 61.4	<b>INTERNATIONAL</b> 61.8
England 55.2	Norway 58.3	Thailand 66.5	New Zealand 43.7	New Zealand 57.5	Australia 60.0	Hungary 60.3
Norway 54.5	Thailand 47.6	Norway 56.1	Norway 40.8	Norway 54.7	Thailand 54.0	Norway 59.5
New Zealand 49.1			Thailand 34.0	Thailand 52.4	New Zealand 50.5	Thailand 55.5
Thailand 48.2					Norway 49.5	
					England 48.2	

SOURCE: U.S. National TIMSS Center, Michigan State University.