Mathematics Standards

Content Standards — At-A-Glance

NUMBER AND OPERATION	MEASUREMENT	GEOMETRY AND SPATIAL SENSE	PATTERNS, FUNCTIONS, AND ALGEBRA	DATA ANALYSIS, STATISTICS, AND PROBABILITY
1. Understand numbers, ways of representing numbers, relationships among numbers, and number systems.	1. Understand attributes, units, and systems of units in measurement; and develop and use techniques, tools, and formulas for measuring.	1. Analyze properties of objects and relationships among the properties.	1. Understand various types of patterns and functional relationships.	1. Pose questions and collect, organize, and represent data to answer those questions.
2. Understand the meaning of operations and how they relate to each other.		2. Use transformations and symmetry to analyze mathematical situations.	2. Use symbolic forms to represent, model, and analyze mathematical situations.	2. Interpret data using methods of exploratory data analysis.
3. Use computational tools and strategies fluently and when appropriate, use estimation.		3. Use visualization and spatial reasoning to solve problems both within and outside of mathematics.		3. Develop and evaluate inferences, predictions, and arguments that are based on data.
		4. Select and use different representational systems, including coordinate geometry.		4. Understand and apply basic notions of chance and probability.

The process standards of Communication, Connections, Problem Solving, Representation, and Reasoning and Proof are incorporated throughout the above content strands.

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