

Curriculum

Content Area:	MATHEMATICS	Grade Level:	5
MLR Content Standard:	A. Number: Students use numbers in everyday and mathematical contexts to quantify or describe phenomena, develop concepts of operations with different types of numbers, use the structure and properties of numbers with operations to solve problems, and perform mathematical computations. Students develop number sense related to magnitude, estimation, and the effects of mathematical operations on different types of numbers.		
MLR Performance Indicators	WSD Benchmarks	Instruction Level*	Common Assessment
<i>Instruction Levels: I = Introduced; R = Reinforced; E = Evaluated through a Documented Classroom Activity; D = District Common Assessment</i>			
A	Knows basic math facts up to 12	RE	
A1	Read and write numbers to 999,999,999,999	RE	
A1	Round numbers to the hundred billions	RE	
A2	Divide whole numbers and decimals with 1 digit divisors	IRE	
A2	Divide whole numbers and decimals with 2 digit divisors	IR	
A2	Interpret remainders in division number stories	RE	
A2	Divide whole numbers by 10's (10, 20, 30, 40, etc)	IRE	
A2	Find the factors of whole numbers	RE	
A2	Find the multiples of whole numbers	RE	
A2/A5	Multiply 4 digit by 2 digit whole numbers and decimals	RE	
A3	Apply the order of operations to simplify expressions and solve number sentences with all four operations	RE	
A4	Order and compare fractions with like and unlike denominators	RE	
A4	Add and subtract fractions with unlike denominators	IRE	

*Codes indicate the highest instructional level of that grade level and may include an earlier level of instruction.

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MLR Performance Indicators	WSD Benchmarks	Instruction Level*	Common Assessment
A4	Add and subtract mixed numbers	I	
A4	Multiply fractions by whole numbers and other fractions	IRE	
A4	Divide fractions by whole numbers and other fractions	IR	
A4	Identify equivalent fractions	RE	
A4	Convert mixed numbers to improper fractions and improper fractions to mixed numbers	RE	
A5	Add and subtract decimals to the thousandths place	RE	
A5	Convert simple fractions (with denominators of 2, 3, 4, 5 & 10) to decimals and percents	IRE	
A5	Compare and order decimals with up to three decimal places	RE	
A5	Read and write decimals with up to three decimal places	RE	
A5	Round decimals to the thousandths place	RE	
A6	Compare and order positive and negative integers	IRE	

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Content Area:	MATHEMATICS	Grade Level:	5
MLR Content Standard:	B. Data: Students make measurements and collect, display, evaluate, analyze and compute with data to describe phenomena and to make decisions based on data. Students compute statistics to summarize data sets and use concepts of probability to make predictions and describe the uncertainty inherent in data collection and measurement.		
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B1	Solve and justify problems with measures of elapsed time, temperature, capacity, mass, and weight	IRE	
B2	Read, construct, and interpret line graphs	RE	
B3	Find and use median, mode, and range for a set of data	RE	

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Content Area:	MATHEMATICS	Grade Level:	5
MLR Content Standard:	C. Geometry: Students use measurement and observation to describe objects based on their sizes and shapes, construct two- and three-dimensional objects, solve problems involving geometric properties, compute areas and volumes based on object properties and dimensions, and perform transformations on geometric figures.		
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C	Classify triangles by angles and sides	IR	
C1	Identify edges, vertices, and faces in three-dimensional figures	RE	
C1	Describe and classify solid figures according to the number of edges, faces, and vertices as well as the shapes faces	RE	
C2	Find the area of triangles, parallelograms, and rectangles using appropriate formulas	RE	
C3	Find the volume of a rectangular prism	RE	
C3	Find the surface area of a rectangular prism	IR	
C4	Locate and plot ordered pairs on a one quadrant coordinate plane (grid)	RE	
C4	Locate and plot ordered pairs on a four quadrant coordinate plane (grid)	IR	
C4	Measure an angle within three degrees	RE	
C5	Reflect, slide, and rotate plane figures	RE	

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Content Area:	MATHEMATICS	Grade Level:	5
MLR Content Standard:	D. Algebra: Students use symbols to represent quantities, patterns and relationships and use symbolic manipulation to evaluate expressions and solve equations. Students solve problems using symbols, tables, graphs and verbal rules choosing the most effective representation and converting among representations.		
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D1	Create and solve open number sentences with no more than three terms	RE	
D2	Solve for the unknown in simple equations using the four basic operations. Such as: $39 - k = 39 - 40$; $30 \times a = 276$	RE	
D3	Analyze and complete function tables	RE	
D3	Graph data from a function table	I	
D3	Use tables, rules, diagrams and patterns to represent the relationship between quantities and to extend sequences (such as pan balance)	RE	

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