

Grade 6 Math Curriculum Map

Standards	Content	Skills/Practices	Materials/ Resources	Assessments (All) Daily/Weekly/ Benchmarks	Timeline (Months/ Weeks/ Days)
6.NS.5 MP.2 MP.4 MP.6 MP.7	Apply and extend previous understandings of numbers to the system of rational numbers.	Understand that positive and negative numbers are used together to describe quantities having opposite directions or values (e.g., temperature above/below zero, elevation above/below sea level, credits/debits, positive/ negative electrical charge); use [positive and negative numbers to represent quantities in real-world contexts, explaining the	Module 3: Rational Numbers Bellringers Exit Tickets Informative questioning Benchmark Test	Quiz: L1-6; Quiz: 7-12; Quiz: 13-15; Test: 1-15	25 Days

6.NS.6		<p>meaning of zero in each situation.</p>	<p>Module 3</p>		
6.NS.7		<p>Understand a rational number as a point on the number line. Extend number line diagrams and coordinate axes familiar from previous grades to represent points on the line and in the plane.</p>			
6.NS.8		<p>Understand ordering and absolute value of rational numbers.</p> <ul style="list-style-type: none"> a. Interpret statements of inequality as statements about relative position of two 			

		<p>numbers on a number line.</p> <p>b. Write, interpret, and explain statements of order for rational numbers in real-world contexts.</p> <p>c. Understand the absolute value of a rational number as its distance from 0.</p> <p>d. Distinguish comparisons of absolute value from statements about order.</p>			
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6.NS.1, MP.1 MP.2 MP.6 MP.7 MP.8	Apply and extend previous understandings of multiplication and division to divide fractions by fractions.	Interpret and compute quotients of fractions, and solve word problems involving division of fractions by fractions.	Module 2: Arithmetic Operations Including Dividing by a Fraction Bellringers Exit Tickets Informative questioning	Quiz L18 GCF, LCM, Word Problems; QuizL1-4, 8; Test: 1-18	25 Days
6.NS.2,	Compute fluently with multi-digit numbers and find common factors and multiples.	Fluently divide multi-digit numbers using the standard algorithm.			
6.NS.3,		Fluently add, subtract, multiply, and divide multi-digit decimals using the standard algorithm for each operation.			
6.NS.4.		Find the greatest common factor of two whole numbers. Find the least common			

		multiple of two whole numbers			
6.RP.1 MP.1 MP.2 MP.5 MP.6 MP.7	Understand the concept of a ratio language to describe a ratio relationship between two quantities.	Understand ratio concepts and use ratio reasoning to solve problems.	Module 1 Ratios and Units Rates Bellringers Exit Tickets Informative questioning Benchmark Test	Quiz: 1-6; Quiz 9-14; Quiz:16-23;Quiz:24- 29;Test: 1-29	35 Days
6.RP. 2	Understand the concept of a unit rate a/b associated with a ratio $a:b$ with (b) not being equal to zero.				
6.RP. 3	Use ratio and rate reasoning to solve real world and mathematical problems, e.g., by reasoning about tables of equivalent ratios				

<p>6. EE.1 MP.2 MP.6 MP.7 MP.8</p>	<p>Apply and extend previous understandings of arithmetic to algebraic expressions.</p>	<p>Write and evaluate numerical expressions involving whole-number exponents.</p>	<p>Module 4 Expressions and Equations</p> <p>Bellringers Exit Tickets Informative questioning</p>	<p>Quiz 5-8; Quiz 9-17;</p>	<p>45 Days</p>
<p>6. EE.2</p>		<p>Write, read, and evaluate expressions in which letters stand for numbers.</p> <ul style="list-style-type: none"> a. Write expressions that record operations with numbers and letters standing for numbers. b. Identify parts of an expression using <p>Mathematical terms.</p>			

6. EE.3		c. Evaluate expressions at specific values of their variables.			
6. EE.4	Reason about and solve one-variable equations and inequalities.	Apply the properties of operations to generate equivalent expressions.			
6.EE.5		Identify when two expressions are equivalent.			
6.EE.6		Understand solving an equation or inequality as a process of answering a question.			
6.EE.7		Use variables to represent numbers and write expressions when solving a real-world or			

<p>6.EE.8</p> <p>6.EE.9</p>	<p>Represent and analyze quantitative relationships between dependent and independent variables.</p>	<p>mathematical problem.</p> <p>Solve real-world and mathematical problems by writing and solving equations</p> <p>Write an inequality of the form $x > c$ or $x < c$ to represent a constraint or condition in a real-world mathematical problem.</p> <p>Use variables to represent two quantities in a real-world problem that change in relationship to one another.</p>			
<p>6.EE.2 MP.1 MP.3 MP.4 MP.6</p>	<p>Apply and extend previous understandings of arithmetic</p>	<p>Write, read, and evaluate expressions in which letters stand for</p>	<p>Module 5 Area, Surface Area, and Volume Problems Bellringers Exit tickets</p>	<p>Quiz: L1-5; Quiz:7-14; Quiz: 15-19 Test: 1-19</p>	<p>25 Days</p>

<p>6.EE.5</p> <p>6.EE.6</p> <p>6.EE.7</p> <p>6.G.1</p>	<p>to algebraic expressions.</p> <p>Reason about and solve one-variable equations and inequalities.</p> <p>Solve real-world and mathematical problems involving area, surface area, and volume.</p>	<p>numbers.</p> <p>Understand and solving an equation or inequality as a process of answering a question.</p> <p>Use variables to represent numbers and write expressions when solving a real-world or mathematical problem</p> <p>Solve real-world and mathematical problems by writing and solving equations.</p> <p>Find the area of right triangles, other triangles, special quadrilaterals, and polygons by composing into</p>	<p>Informative questioning NYS Test</p>		
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6.SP.2		Understands that a set of data collected to answer a statistical question has a distribution which can be described by its center, spread and overall shape.			
6.SP.3		Recognize that a measure of center for a numerical data set summarizes all of its values with a single number, while a measure of variation how its values vary with a single number.			
6.SP.4		Display numerical data in plots on a number line, including dot plots, histograms, and box plots.			

6.SP.5		Summarize numerical data sets in relation to their context, such as by: a. Reporting the number of observations. b. Mean, Median; Interquartile range and/ or mean absolute deviation			
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