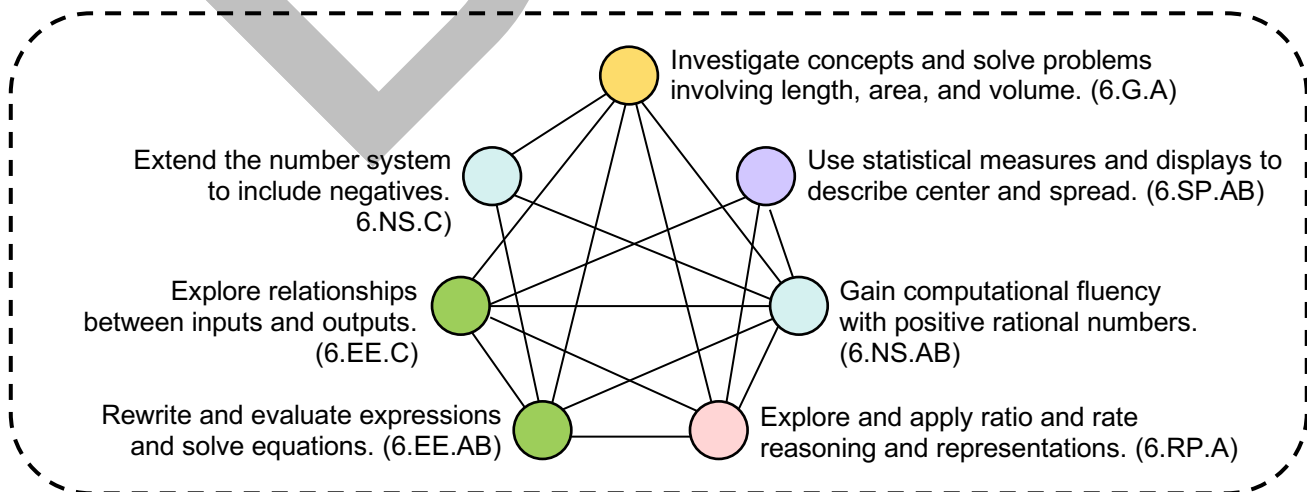


THE PROGRAM AT A GLANCE

GRADE 6: SCOPE AND SEQUENCE

Packet	Packet Name	Multi-day Lessons	Content Standards
1	Statistics	<ul style="list-style-type: none"> Introduction to Data Analysis More Measures of Center and Spread Data Displays 	6.SP.1, 2, 3, 4, 5
2	Factors and Multiples	<ul style="list-style-type: none"> Greatest Common Factor Least Common Multiple GCF and LCM Extended 	6.NS.4
3	Ratio Representations	<ul style="list-style-type: none"> Tape diagrams and Tables Equivalent Ratios and Tables Equivalent Ratios and Double Number Lines Measurements and Rates 	6.RP.1, 2, 3
4	Division	<ul style="list-style-type: none"> Whole Number Division Decimal Division and Rate Problems Fraction Division: Divide Across Fraction Division: Multiply by the Reciprocal 	6.NS.1, 2, 3 6.RP.2,3
5	Percent	<ul style="list-style-type: none"> Percent as a Number Percent of a Number Percent Applications 	6.RP.3 6.NS.3 6.SP.2, 4, 5
6	Expressions	<ul style="list-style-type: none"> Numerical Expressions Algebraic Expressions 1 Algebraic Expressions 2 	6.EE.1, 2, 3, 4, 6 NS.3, 4
7	Inputs and Outputs	<ul style="list-style-type: none"> Visual Patterns Comparing Prices Rate Applications 	6.EE.2, 6, 9 6.RP.3; 6.NS.3 6.SP.1, 3
8	Solving Equations	<ul style="list-style-type: none"> Algebraic Equations Solving Equations 1: Addition & Multiplication Solving Equations 2: All Four Operations 	6.EE.5, 6, 7, 8, 9
9	Area and Volume	<ul style="list-style-type: none"> Areas of Polygons Surface Area of Prisms and Pyramids Volume of Prisms 	6.G.1, 2, 4 6.EE.2, 3, 4, 6, 9 6.RP.3
10	The Number Line and the Coordinate Plane	<ul style="list-style-type: none"> Extending the Number Line Between the Integers Graphing in the Coordinate Plane Polygons in the Coordinate Plane 	6.NS.5, 6, 7, 8 6.G.3 6.EE.5, 8

GRADE 6: BIG IDEAS AND CONNECTIONS



About the Program

TOPIC ANALYSIS BY PACKET

Each MathLinks Student Packet emphasizes specific grade level content and includes distributed practice (spiral review) within its Review section. This chart shows how content topics unfold in the packet lessons and identifies distributed practice for those topics that is built in with Spiral Review. Standards that address major work of the grade are denoted with a star (*). Fluency requirements are denoted with a double star (**).

Short Topic Description	Topic first in Packet(s):	Topic also in Packet(s):	Spiral Review in Packet(s):	Content Standard(s)
Recognize statistical questions	1	7	9	6.SP.1
Describe data by center, spread, shape	1	5	9	6.SP.2
Interpret center and spread	1	5,7	9	6.SP.3
Create dot plots, histograms, box plots	1	5	9	6.SP.4
Summarize data sets in context	1	5	9	6.SP.5abcd
Find GCF and LCM of whole numbers	2	6	4,7	6.NS.4
Understand ratio, use ratio language	3		6,10	6.RP.1*
Understand rate, use rate language	3	4	6,10	6.RP.2*
Use tables to analyze equivalent ratios	3	7	6,10	6.RP.3a*
Solve unit rate prob (e.g. unit price, const. speed)	3	4,7	6,10	6.RP.3b*
Use ratios to convert measurements	3	9	4,5,6,7,8,10	6.RP.3d*
Divide fractions	4		5,7,9,10	6.NS.1*
Fluently divide multidigit numbers	4		1,2,3,5,6,7	6.NS.2**
Fluently compute with decimals	4	5,6,7	1,2,3,8,9,10	6.NS.3**
Find percent of a quantity, solve percent problems	5	7	6,7,8,9,10	6.RP.3c*
Use the distributive property with numbers	6		7,8	6.NS.4
Write and evaluate expressions with exponents	6		7,8,9	6.EE.1*
Write and evaluate variable expressions	6	7,9	10	6.EE.2abc*
Apply properties to generate expressions	6	9	7	6.EE.3*
Identify equivalent expressions	6	9	7	6.EE.4*
Use and solve problems with variables	6	7,8,9		6.EE.6*
Use variables to represent two quantities	7	8,9		6.EE.9*
Explain meaning of solution, solve by substitution	8	10	9,10	6.EE.5*
Solve one-step equations (non-negative numbers)	8		9,10	6.EE.7*
Write and interpret inequalities	8	10	10	6.EE.8*
Find areas of polygons	9			6.G.1
Find volume of right prism w/fractional edge	9			G.6.2
Represent 3-D shapes with nets	9			G.6.4
Interpret positive and negative numbers	10			6.NS.5*
Locate pts on line and in coordinate plane	10			6.NS.6abc*
Find absolute value and order of numbers	10			6.NS.7abcd*
Find horizontal/vertical distances, solve problems	10			6.NS.8*
Draw polygons in coordinate plane, solve problems	10			6.G.3

Complete correlations to the program are located in the Correlations Section of Program information.