Simple Solutions

Standards-Based Mathematics 6

Topic Guide

Topic	Lesson #	Standard
Fluently Divide Multi-Digit Numbers	1	6.NS.2
Fluently Add, Subtract, Multiply, and Divide Multi-Digit Decimals	1	6.NS.3
Find the Greatest Common Factor of Two Whole Numbers	2	6.NS.4
Use Ratio Language to Describe a Ratio Relationship Between Two Quantities	3	6.RP.1
Use Rate Language in the Context of a Ratio Relationship	5	6.RP.2
Find the Area of Right Triangles, other Triangles, Special Quadrilaterals, and Polygons	7	6.G.1
Recognize a Statistical Question as one that Anticipates Variability in the Data	9	6.SP.1
Find the Least Common Multiple of Two Whole Numbers	10	6.NS.4
Solve Word Problems Involving Division of Fractions by Fractions	11	6.NS.1
Make Tables of Equivalent Ratios and Find Missing Values in the Tables	13	6.RP.3
Summarize Data by Finding the Mean	14	6.SP.5
Write and Evaluate Numerical Expressions Involving Whole Number Exponents	17	6.EE.1
Solve Unit Rate Problems Involving Unit Pricing and Constant Speed	21	6.RP.3
Write, Read, and Evaluate Expressions in Which Letters Stand for Numbers	25	6.EE.2
Solve Problems Involving Finding the Whole, Given a Part and the Percent	27	6.RP.3
Use Ratio Reasoning to Convert Measurement Units	32	6.RP.3
Identify Parts of an Expression	32	6.EE.2
Recognize Measure of Center	35	6.SP.3
Summarize Data by Median, Mean, or Range	39	6.SP.5
Apply the Properties of Operations to Generate Equivalent Expressions	47	6.EE.3

Simple Solutions

Standards-Based Mathematics 6

Topic Guide

Topic	Lesson #	Standard
Understand 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	50	6.SP.2
Display Numerical Data in Plots on a Number Line, Including Dot Plots, Histograms, and Box Plots	55	6.SP.4
Identify when Two Expressions are Equivalent	62	6.EE.4
Apply the Formulas $V = lwh$ and $V = bh$ to Find Volumes of Right Rectangular Prisms with Fractional Edge Lengths	67	6.G.2
Understand that Positive and Negative Numbers Are Used Together to Describe Quantities Having Opposite Directions or Values	73	6.NS.5
Use Nets to Find Surface Area	75	6.G.4
Recognize Opposite Signs of Numbers as Indicating Locations in Quadrants of the Coordinate Plane	78	6.NS.6
Interpret Absolute Value as Magnitude for a Positive or Negative Quantity in a Real-World Situation	81	6.NS.7
Interpret Statements of Inequality as Statements About the Relative Position of Two Numbers on a Number Line Diagram	82	6.NS.7
Use Variables to Represent Numbers and Write Expressions	88	6.EE.6
Use Substitution to Determine whether a Given Number in a Specified Set Makes an Equation or Inequality True	91	6.EE.5
Find and Position Integers and other Rational Numbers on a Horizontal or Vertical Number Line Diagram	93	6.NS.6
Solve Real World and Mathematical Problems by Writing and Solving Equations of the Form $x + p = q$ and $px = q$ when p, q, and x are all Non-negative Rational Numbers	97	6.EE.7
Use Variables to Represent Two Quantities in a Real-World Problem that Change in Relationship to One Another and Write an Equation to Express One Quantity	106	6.EE.9
Write an Inequality of the Form $x > c$ or $x < c$ to Represent a Condition in a Real-World Problem; Represent these Solutions on Number Line Diagrams	109	6.EE.8

Simple Solutions

Standards-Based Mathematics 6

Topic Guide

Topic	Lesson #	Standard
Understand Signs of Numbers in Ordered Pairs as Indicating Locations in Quadrants of the Coordinate Plane	111	6.NS.6
Solve Real-World Problems by Graphing Points in all Four Quadrants of a Coordinate Plane	112	6.NS.8
Draw Polygons in the Coordinate Plane and use Coordinates to find the Length of a side Joining Points with the same First or Second Coordinate	115	6.G.3