

# Simple Solutions

## Standards-Based Mathematics 4

### Topic Guide

<b><u>Topic</u></b>	<b><u>Lesson #</u></b>	<b><u>Standard</u></b>
Read, Write, Expand, and Compare Multi-Digit Whole Numbers .....	1	4.NBT.2
Round Multi-Digit Whole Numbers to Any Place.....	1	4.NBT.3
Fluently Add and Subtract Multi-Digit Whole Numbers.....	1	4.NBT.4
A Digit in the Ones Place Represents Ten Times What it Represents in the Place to its Right .....	5	4.NBT.1
Represent a Multiplication Equation as a Comparison.....	5	4.OA.1
Draw and Identify Lines and Angles .....	6	4.G.1
Convert Measurements From a Larger Unit to a Smaller Unit .....	7	4.MD.1
Solve Multi-Step Word Problems Using Four Operations .....	10	4.OA.3
Recognize and Generate Equivalent Fractions .....	10	4.NF.1
Multiply or Divide to Solve Word Problems Involving Multiplicative Comparison .....	13	4.OA.2
Multiply up to Four Digits by a One-Digit Whole Number .....	14	4.NBT.5
Gain Familiarity with Factors, Prime, Composite and Multiples .....	17	4.OA.4
Solve Word Problems Involving Measurement .....	18	4.MD.2
Compare Two Fractions With Different Numerators/Denominators .....	19	4.NF.2
Understand Concepts of Angles/Measure Angles.....	22	4.MD.5
Measure Angles in Whole Number Degrees Using a Protractor .....	24	4.MD.6

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Recognize Angle Measure as Additive .....	31	4.MD.7
Generate and Analyze Patterns .....	38	4.OA.5
Divide Four-Digit Dividends by One-Digit Divisors .....	41	4.NBT.6
Multiply Two 2-Digit Numbers Using Different Strategies .....	42	4.NBT.5
Apply Area and Perimeter Formulas for Rectangles to Solve Problems.....	44	4.MD.3
Recognize a Line of Symmetry for a Two-Dimensional Figure .....	50	4.G.3
Classify Figures by Properties of Their Lines or Angles .....	70	4.G.2
Understand Addition and Subtraction of Fractions.....	73	4.NF.3
Understand a Fraction $\frac{a}{b}$ as a Multiple of $\frac{1}{b}$ .....	75	4.NF.4a
Decompose a Fraction into a Sum of Fractions .....	80	4.NF.3
Make a Line Plot to Display a Data Set of Measurements in Fractions of a Unit .....	82	4.MD.4
Multiply a Fraction by a Whole Number .....	86	4.NF.4b
Add and Subtract Fractions with Like Denominators.....	90	4.NF.3c
Solve Word Problems Involving Addition/Subtraction of Fractions.....	93	4.NF.3
Solve Word Problems Involving Multiplication of a Fraction by a Whole Number .....	96	4.NF.4c
Add Two Fractions with Denominators of 10 and 100 .....	100	4.NF.5
Understand Decimal Notation for Fractions .....	116	4.NF.6
Compare Decimal Fractions .....	121	4.NF.7