

6th Grade Math

Sadlier Math

Month	Lessons/Objectives	Applicable Standards	Activities/Assessments
August	Ch. 1 Addition & Subtraction Operations 1-1 Estimate Sums & Differences Obj. Estimate sums and differences using front-end estimation or rounding 1-2 Add Decimals Obj. Add multi-digit decimals 1-3 Subtract Decimals Obj. Subtract multi-digit decimals 1-4 Write Addition & Subtraction Expressions Obj. Read and write algebraic expressions 1-5 Evaluate Addition & Subtraction Expressions Obj. Evaluate addition and subtraction expressions at specific values of the variables 1-6 Problem Solving: Use the Four-Step Process Obj. Use the Four-Step Process to solve problems	6.NS.B.3, 6.EE.A.2.A; 6.EE.A.2.B, 6.EE.A.2.C, MP.1, 2, 4, 6	Ch.1 Pre-Test Practice Exercises in Textbook p. 2-3, 4-5, 6-7, 10-11, 12-13, 15 More Practice Exercises & Homework Assignments WB p. 1-2, 3-4, 5-6, 7-8, 9-10, 11-14 Reteach Lessons & Practice: -Add & Subtract Multi-Digit Decimals -Write an Algebraic Expression to Record Operations -Identify Parts of an Expression -Evaluate Algebraic Expressions 1-1 through 1-3 Check Your Progress TB p. 8-9 Ch 1 Practice (Online) Ch.1 Review TB p. 16-17 Ch. 1 Test Ch. 1 Fluency Practice TB p. 20

<p>September</p>	<p>Ch 2: Multiplication Operations & Expressions 2-1 Multiply Decimals by 0.1, 0.01 and 0.01 Obj. Use multiplication patterns to multiply by 0.1, 0.01, and 0.001 2-2 Estimate Decimal Products Obj. Estimate decimal products by rounding 2-3 Multiply with Decimals Obj. Multiply multi-digit decimals 2-4 Write Multiplication Expressions Obj. Read and write multiplication expressions with numbers and with variables 2-5 Evaluate Multiplication Expressions Obj. Evaluate multiplication expressions at specific values of the variables 2-6 Problem Solving: Compare Strategies Obj. Compare strategies to evaluate and solve problems</p>	<p>6.NS.B.3, 6.EE.A.2.B, 6.EE.A.2.A, 6.EE.A.2.B, 6.EE.A.2.C, MP.1, 2, 4, 6</p>	<p>Ch.2 Pre-Test Practice Exercises in Textbook p. 22-23, 24-25, 26-27, 30-31, 32-33, 34-35 More Practice Exercises & Homework Assignments WB p. 15-16, 17-18, 19-20, 21-22, 23-24, 25-28 Reteach Lessons & Practice: -Multiply Multi-Digit Decimals -Write an Algebraic Expression to Record Operations -Identify Parts of an Expression -Evaluate Algebraic Expressions 2-1 through 2-3 Check Your Progress TB p. 28-29 Ch 2 Practice (Online) Ch.2 Review TB p. 36-37 Ch. 2 Test Ch. 2 Fluency Practice TB p. 40</p>
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<p>October</p>	<p>Ch 3: Division Operations & Expressions 3-1 Divide Whole Numbers Obj. Divide multi-digit numbers 3-2 Divide Decimals by 10, 100, & 1000 Obj. Divide multi-digit decimals by 10, 100, and 1000 3-3 Divide Decimals by Whole Numbers Obj. Divide multi-digit decimals by whole numbers 3-4 Divide Decimals by 0.1, 0.01, 0.001 Obj. Divide multi-digit decimals by 0.1, 0.01, and 0.001 3-5 Estimate Decimal Quotients Obj. Use estimation to divide multi-digit decimals 3-6 Decimal Divisors Obj. Divide with decimal divisors 3-7 Zeros in Division Obj. Divide multi-digit decimals that require writing zeros 3-8 Write Division Expressions Obj. Read and write division expressions with numbers and variables 3-9 Evaluate Division Expressions Write and evaluate division expressions 3-10 Problem Solving: Use Logical Reasoning Obj. Solve real world division problems and make sense of the solution</p>	<p>6.NS.B.2, 6.NS.B.3, 6.EE.A.2.A, 6.EE.A.2.B, 6.EE.A.2.C, MP.1, 2, 3, 6</p>	<p>Ch.3 Pre-Test Practice Exercises in Textbook p. 42-43, 44-45, 46-47, 50-51, 52-53, 54-55, 56-57, 58-59, 60-61,63 More Practice Exercises & Homework Assignments WB p. 29-30, 31-32, 33-34, 35-36, 37-38, 39-40, 41-42, 43-44, 45-46, 47-50 Reteach Lessons & Practice: -Divide Multi-Digit Numbers -Add & Subtract Multi-Digit Decimals -Multiply & Divide Multi-Digit Decimals -Write an Algebraic Expression to Record Operations -Identify Parts of an Expression -Evaluate Algebraic Expressions 3-1 through 3-3 Check Your Progress TB p. 48-49 Ch 3 Practice (Online) Ch.3 Review TB p. 64-65 Ch. 3 Test Ch. 3 Fluency Practice TB p. 68</p>
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<p>November & December</p>	<p>Ch 4: Numerical & Algebraic Expressions 4-1 Exponents Obj. Write and evaluate expressions with exponents 4-2 Order of Operations Obj. Use the Order of Operations to simplify expressions 4-3 Parts of Expressions Obj. Identify parts of an expression 4-4 Translate Expressions Obj. Use numbers and variables to translate word phrases to expressions 4-5 Translate Expressions Involving Exponents Obj. Use numbers and variables to translate word phrases to expressions involving exponents 4-6 Use the Distributive Property and Evaluate Algebraic Expressions Obj.1. Write and evaluate algebraic expressions Obj.2. Use the Distributive Property to combine like terms 4-7 Apply Properties to Write Equivalent Expressions Obj. Apply properties of operations to write equivalent expressions 4-8 Identify Equivalent Expressions Obj. Identify equivalent expressions 4-9 Use Formulas Obj. Evaluate expressions that arise from formulas 4-10 Problem Solving: Represent the Situation Obj. Represent the situation to solve problems involving equivalent expressions</p>	<p>6.EE.A.1, 6.EE.A.2.A, 6.EE.A.2.C, 6.EE.A.2.B, 6.EE.B.6, 6.EE.A.3,6.EE.B.4, MP.1, 2, 6</p>	<p>Ch.4 Pre-Test Practice Exercises in Textbook p. 70, 72, 74, 76, 78, 82, 84, 86, 88, 90 More Practice Exercises & Homework Assignments WB p. 51-52, 53-54, 55-56, 57-58, 59-60, 61-62, 63-64, 65-66, 67-68, 69, 71 Reteach Lessons & Practice: -Write & Evaluate Numerical Expressions with Exponents -Write an Algebraic Expression to Record Operations -Identify Parts of an Expression -Evaluate Algebraic Expressions -Generate & Identify Equivalent Expressions -Write Algebraic Expressions to Represent Problems 4-1 through 4-5 Check Your Progress TB p. 80-81 Ch 4 Practice (Online) Ch.4 Review TB p. 92-93 Ch. 4 Test Ch. 4 Fluency Practice TB p. 96</p>
<p>January</p>	<p>Ch. 5 One-Variable Equations & Inequalities 5-1 Solutions of Equations Obj. Use substitution to determine the solution to an equation 5-2 Addition & Subtraction Equations Obj. Write equations and use the Addition & Subtraction Property of Equality 5-3 Multiplication & Division Equations Obj. Use Multiplication and Division Property of Equality to solve equations 5-4 Write and Solve Equations Obj. Solve problems by writing and solving equations 5-5 Inequalities Obj. Write math and word sentences that contain an inequality 5-6 Solutions of Inequalities Obj. Use substitution to determine the solutions to an inequality. Obj. Use a number line to identify the solution to an inequality 5-7 Write Inequalities</p>	<p>6.EE.B.5, 6.EE.B.6, 6.EE.B.7, 6.EE.B.8, MP.1, 2, 4, 6</p>	

	<p>Obj. Recognize when a real-world situation has a limit or boundaries, and write an inequality to model it</p> <p>5-8 Solve Inequalities</p> <p>Obj. Solve one-step inequalities</p>		
February	<p>Ch 6: Factors & Multiples</p> <p>6-1 Prime Factorization</p> <p>Obj. Use prime factorization to solve problems</p> <p>6-2 Greatest Common Factor</p> <p>Obj.1. Identify the GCF of a set of numbers by listing the factors</p> <p>Obj.2. Identify the GCF of a set of numbers using prime factorization</p> <p>6-3 The Distributive Property and Common Factors</p> <p>Obj. Write equivalent expressions using common factors and Distributive Property</p> <p>6-4 Least Common Multiple</p> <p>Obj. Find the LCM of a set of numbers</p> <p>6-5 Problem Solving: Making a List</p> <p>Obj. Organize data in a list to look for patterns in order to solve a problem</p>	6.NS.B.4, MP.1, 4, 6	<p>Ch.6 Pre-Test</p> <p>Practice Exercises in Textbook p. 124-125, 126-127, 128-129, 132-133, 134</p> <p>More Practice Exercises & Homework Assignments WB p. 93-94, 95-96, 97-98, 99-100, 101-104</p> <p>Reteach Lessons & Practice:</p> <p>-Find the GCF & LCM</p> <p>-Write an Algebraic Expression to Record Operations</p> <p>6-1 through 6-3 Check Your Progress TB p. 130-131</p> <p>Ch 6 Practice (Online)</p> <p>Ch.6 Review TB p. 136-137</p> <p>Ch. 6 Test</p> <p>Ch. 6 Fluency Practice TB p. 140</p>

<p>March</p>	<p>Ch 7 Fractions & Decimals 7-1 Fractions in Simplest Form Obj. Rewrite a fraction as an equivalent fraction in simplest form 7-2 Relate Fractions and Decimals Obj. Use word names and powers of 10 relate fractions and decimals 7-3 Rename Fractions as Decimals Obj. Divide multi-digit numbers to rename fractions as decimals 7-4 Rename Decimals as Fractions Obj. Rename decimals as fractions in simplest form 7-5 Addition & Subtraction Expressions with Fractions Obj. Read, write, and evaluate addition and subtraction expressions with fractions 7-6 Addition & Subtraction Equations with Fractions Obj. Read, write, and solve addition and subtraction equations with fractions 7-7 Problem Solving: Choose a Strategy Obj. Choose a strategy to solve problems</p>	<p>4.NF.A.1, 4.NF.C.6, 6.EE.A.2.A, 6.EE.A.2.C, 6.EE.B.7, MP.1, 3, 6</p>	<p>Ch.7 Pre-Test Practice Exercises in Textbook p. 142-143, 144-145, 146-147, 148-149, 152-153, 154-155, 157 More Practice Exercises & Homework Assignments WB p. 105-106, 107-108, 109-110, 111-112, 113-114, 115-116, 117-120 Reteach Lessons & Practice: -Write an Algebraic Expression to Record Operations -Evaluate Algebraic Expressions -Solve Equations of the Form $x + p = q$ -Solve Equations of the Form $xp = q$ 7-1 through 7-4 Check Your Progress TB p. 150-151 Ch 7 Practice (Online) Ch.7 Review TB p. 158-159 Ch. 7 Test Ch. 7 Fluency Practice TB p. 162</p>
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<p>April</p>	<p>Ch 8: Multiply & Divide Fractions 8-1 Multiply Fractions Obj. Multiply fractions 8-2 Properties of Multiplication Obj. Use properties of multiplication to multiply fractions and write equivalent expressions 8-3 Meaning of Division by a Fraction Obj. Interpret the meaning of division by a fraction 8-4 Model Dividing Fractions by Fractions Obj. Use models to show dividing fractions 8-5 Divide Fractions by Fractions Obj. Divide fractions and solve word problems that require division of fractions 8-6 Estimate Quotients of Fractions and Mixed Numbers Obj. Estimate quotients of fractions and mixed numbers 8-7 Divide with Whole and Mixed Numbers Obj. Divide fractions whole numbers and mixed numbers 8-8 Order of Operations with Fractions Obj. Use the order of operations to simplify and evaluate expressions with fractions 8-9 Fractions with Money Obj. Multiply and divide dollar amounts about fractions 8-10 Multiplication & Division Expressions with Fractions Obj. Write and evaluate multiplication and division expressions with fractions 8-11 Multiplication & Division Equations with Fractions Obj. Write and solve multiplication and division equations with fractions 8-12 Problem Solving: Use a Model Obj. Use a model to solve problems</p>	<p>5.NF.B.4.A, 6.NS.A.1, 6.NS.A.1, 6.EE.A.2.A, 6.EE.A.2.C, 6.NS.A.1, 6.EE.B.7, MP.1, 4, 6</p>	<p>Ch.8 Pre-Test Practice Exercises in Textbook p.164-165, 166-167, 168-169, 170-171, 172-173, 174-175, 176-177, 180-181, 182-183, 185, 187, 188-189 More Practice Exercises & Homework Assignments WB p. 121-122, 123-124, 125-126, 127-128, 129-130, 131-132, 133-134, 135-136, 137-138, 139-140, 141-142, 143-146 Reteach Lessons & Practice: -Divide a Fraction by a Fraction -Problem Solving: Fraction Division -Locate Points with Rational Coordinates -Write an Algebraic Expression to Record Operations -Evaluate Algebraic Expressions -Solve Equations of the Form $x + p = q$ -Solve Equations of the Form $xp = q$ 8-1 through 8-7 Check Your Progress TB p. 178-179 Ch 8 Practice (Online) Ch.8 Review TB p. 190-191 Ch. 8 Test Ch. 8 Fluency Practice TB p. 194</p>
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<p>May</p>	<p>Ch 9: Rational Numbers & the Coordinate Plane 9-1 Integers on the Number Line Obj. Use a number line to represent integers 9-2 Integers in the Real World Obj. Graph and use integers to represent real-world situations and explain the meaning of 0 in context 9-3 Compare & Order Integers Obj. Use a number line to compare and order integers and understand absolute value 9-4 Absolute Value as Magnitude Obj. Compare and order integers and understand absolute value as a magnitude in a real-world situation 9-5 Rational Numbers Obj. Use a number line to represent negative and positive rational numbers 9-6 Compare & Order Rational Numbers Obj. Use a number line to compare and order rational numbers 9-7 Plot Points in the Coordinate Plane Obj. Use of signs of coordinates to locate and plot points in coordinate plane 9-8 Reflections of Points Obj. Use signs of coordinates to recognize when points are reflections across one or both axes 9-9 Distance on the Coordinate Plane Obj. Find the distance between two points on the coordinate plane that have the same x- or y-coordinate 9-10 Plot Polygons Obj. Use vertices to draw a polygon in the coordinate plane, and find the lengths of its sides when vertices share the same x- or y-coordinate. 9-11 Problem Solving: Draw a Picture Obj. Use the coordinate plane to draw a picture and solve real-world problems</p>	<p>6.NS.C.6.A, 6.NS.C.5, 6.NS.C.6.C, 6.NS.C.7.A, 6.NS.C.7.B, 6.NS.C.7.C, 6.NS.C.7.D</p>	<p>Ch.9 Pre-Test Practice Exercises in Textbook p. 196-197, 198-199, 200-201, 202-203, 204-205, 206-207, 211, 212-213, 214-215, 216-217, 219 More Practice Exercises & Homework Assignments WB p. 147-148, 149-150, 151-152, 153-154, 155-156, 157-158, 159-160, 161-162, 163-164, 165-166, 167-170 Reteach Lessons & Practice: -Understand Positive & Negative Numbers and Opposites -Locate Points with Rational Numbers -Compare and Order Rational Numbers -Understand Absolute Value -Problem Solving: The Coordinate Plane -Plot and Analyze Polygons in the Coordinate Plane 9-1 through 9-6 Check Your Progress TB p. 208-209 Ch 9 Practice (Online) Ch.9 Review TB p. 220-221 Ch. 9 Test Ch. 9 Fluency Practice TB p. 224</p>
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Ch 12: Measurement	<p>12-1 Convert Customary Units Obj. Use ratio reasoning to convert between customary units</p> <p>12-2 Convert Metric Units Obj. Use ratio reasoning to convert between metric units</p> <p>12-3 Convert Between Customary and Metric Units Obj. Use ratio reasoning to convert between customary and metric units</p> <p>12-4 Problem Solving: Choose a Strategy Obj. Choose a strategy to solve conversion problems</p>		<p>Ch.12 Pre-Test Practice Exercises in Textbook p.282-283, 284-285, 288-289, 290-291 More Practice Exercises & Homework Assignments WB p. 215-216, 217-218, 219-220, 222-224 Reteach Lessons & Practice: -Convert Measurement Units 12-1 through 12-2 Check Your Progress TB p. 286-287 Ch 12 Practice (Online) Ch.12 Review TB p. 292-293 Ch. 12 Test Ch. 12 Fluency Practice TB p. 296</p>
Ch 14: Geometry: Area	<p>14-1 Area of Parallelograms Obj. Find the areas of parallelograms</p> <p>14-2 Area of Triangles Obj. Use a formula to find the area of triangles</p> <p>14-3 Area of Trapezoids Obj. Use a formula to find the area of a trapezoid</p> <p>14-4 Circumferences and Areas of Circles Obj. Find the circumference and area of a circle</p> <p>14-5 Areas of Regular Polygons Obj. Find the area of a regular polygon</p> <p>14-6 Areas of Composite Figures Obj. Find the area of composite figures</p> <p>14-7 Problem Solving: Find a Pattern Obj. Find a pattern to solve problems</p>		<p>Ch.14 Pre-Test Practice Exercises in Textbook p.317, 318-319, 320-321, 325, 327, 329, 331 More Practice Exercises & Homework Assignments WB p. 237-238, 239-240, 241-242, 243-244, 245-246, 247-248, 249-252 Reteach Lessons & Practice: -Find Area of Parallelograms and Triangles -Find Area of Polygons 14-1 through 14-3 Check Your Progress TB p. 322-323 Ch 14 Practice (Online)</p>

			<p>Ch.14 Review TB p. 332-333 Ch. 14 Test Ch. 14 Fluency Practice TB p. 336</p>
<p>Ch 16: Measures of Central and Variation</p>	<p>16-1 Statistical Questions Obj. Identify statistical questions 16-2 Measures of Center Obj. Determine measures of center and use them to summarize data 16-3 Measures of Variation: Range and Interquartile Range Obj. Determine measures of variation and use them to summarize data sets 16-4 Measures of Variation: Mean Absolute Deviation Obj. Determine mean absolute deviation 16-5 Analyze Data Obj. Identify clusters, gaps, and outliers and use them to analyze data 16-6 Problem Solving: Work Backward Obj. Work backward to solve problems</p>		<p>Ch.16 Pre-Test Practice Exercises in Textbook p. 358-359, 360-361, 363, 366-367, 369, 371 More Practice Exercises & Homework Assignments WB p. 267-268, 269-270, 271-272, 273-274, 275-276, 277-280 Reteach Lessons & Practice: -Statistical Questions -Find Median and Interquartile Range -Find the Mean and Mean Absolute Deviation -Summarize Numerical Data 16-1 through 16-3 Check Your Progress TB p. 364-365 Ch 16 Practice (Online) Ch. 16 Review TB p. 372-373 Ch. 16 Test Ch. 16 Fluency Practice TB p. 376</p>