

# 6<sup>th</sup> Grade Math Curriculum Wide Activities

## Activities

These activities can be used throughout the entire curriculum and are not meant to be used in one single unit.

- ☐ 6<sup>th</sup> Grade CCSS Test Prep
- ☐ 6<sup>th</sup> Grade End of Year Task Cards
- ☐ 6<sup>th</sup> Grade Error Analysis Task Card Bundle
- ☐ 6<sup>th</sup> Grade Common Core Benchmark Exam
- ☐ 6<sup>th</sup> Grade Common Core Standards Checklists
- ☐ 6<sup>th</sup> Grade Editable Homework Notebook
- ☐ 6<sup>th</sup> Grade Math Mini Assessments (With and Without CCSS labeling)
- ☐ 6<sup>th</sup> Grade Math Prep Packet
- ☐ 6<sup>th</sup> Grade Math Skills Quick Reference Sheets
- ☐ 6<sup>th</sup> Grade Math Vocabulary Cards
- ☐ 6<sup>th</sup> Grade Middle School Math Full Year Assessment Skills Review
- ☐ Basic Operations Math Skills Speed Drills
- ☐ Editable Winter Coloring Pages (Combining Like Terms and Order of Operations Versions)
- ☐ No Prep Christmas Math Activities for 6<sup>th</sup> Grade
- ☐ The Coffee Shop Performance Task

# Unit I : Operations With Whole Numbers and Decimals Curriculum and Activities Pairing

Lesson	Curriculum Resources	Activities
(1) <u>Review</u> : Operations with Whole Numbers	<ul style="list-style-type: none"> <li>• Three Warm Ups</li> <li>• Whole Number Operations Graphic Organizer</li> <li>• Whole Number Operations Practice</li> <li>• Whole Number Operations Error Analysis</li> </ul>	<ul style="list-style-type: none"> <li><input type="checkbox"/> 6<sup>th</sup> Grade Number System Review Booklet</li> <li><input type="checkbox"/> Add and Subtract Decimals Coloring Page</li> <li><input type="checkbox"/> Decimal Operations Beach Coloring Page</li> <li><input type="checkbox"/> Decimal Operations Board Game</li> <li><input type="checkbox"/> Decimal Operations Coloring Worksheet</li> <li><input type="checkbox"/> Decimal Operations Fold and Flip Notes</li> <li><input type="checkbox"/> Decimal Operations Math Stations</li> <li><input type="checkbox"/> Decimal Operations Mini Book</li> <li><input type="checkbox"/> Decimal Operations PowerPoint Review Game</li> <li><input type="checkbox"/> Decimal Operations Puzzle</li> <li><input type="checkbox"/> Decimal Operations Review Worksheet</li> <li><input type="checkbox"/> Decimal Operations Spin/Roll To Solve Game</li> <li><input type="checkbox"/> Decimal Operations Stations (2nd version)</li> <li><input type="checkbox"/> Decimal Operations Task Cards</li> <li><input type="checkbox"/> Decimal Word Problems Coloring Page</li> <li><input type="checkbox"/> Decimals Spiral Review Activity</li> <li><input type="checkbox"/> Emergency Decimal Operations Substitute Plans</li> <li><input type="checkbox"/> Halloween Decimal Word Problems</li> <li><input type="checkbox"/> Multiply and Divide Decimals Coloring Page</li> <li><input type="checkbox"/> Rational Number Operations PowerPoint Review Game</li> <li><input type="checkbox"/> Real World Math Checkbook Lesson and Activity</li> </ul>
(2) <u>Review</u> : Place Value and Estimating with Decimals	<ul style="list-style-type: none"> <li>• Three Warm Ups</li> <li>• Place Value Review Charts</li> <li>• Estimating with Decimals Review Notes</li> <li>• Place Value and Estimating with Decimals Practice</li> </ul>	
(3) <u>Review</u> : Adding and Subtracting Decimals	<ul style="list-style-type: none"> <li>• Three Warm Ups</li> <li>• Adding and Subtracting Decimals Notes</li> <li>• Adding and Subtracting Decimals Fold and Flip Notes</li> <li>• Adding and Subtracting Decimals Practice</li> </ul>	
(4) <u>Review</u> : Multiplying Decimals	<ul style="list-style-type: none"> <li>• Three Warm Ups</li> <li>• Multiplying Decimals Notes</li> <li>• Multiplying Decimals Fold and Flip Notes</li> <li>• Multiplying Decimals Practice</li> </ul>	
(5) <u>Review</u> : Dividing Decimals by Decimals & Whole Numbers	<ul style="list-style-type: none"> <li>• Three Warm Ups</li> <li>• Dividing Decimals by Whole Numbers Notes</li> <li>• Dividing Decimals by Decimals Notes</li> <li>• Dividing Decimals Fold and Flip Notes</li> <li>• Dividing Decimals by Whole Numbers Practice</li> <li>• Dividing Decimals by Decimals Practice</li> </ul>	
(6) <u>Review</u> : Decimal Operations Word Problems	<ul style="list-style-type: none"> <li>• Three Warm Ups</li> <li>• Decimal Operations Word Problems Notes</li> <li>• Decimal Operations Word Problems Practice (2 pages)</li> </ul>	

# Unit 2 : Fraction Operations and Integer Concepts Curriculum and Activities Pairing

Lesson	Curriculum Resources	Activities
(1) <u>Review</u> : Equivalent Fractions and Simplest Form	<ul style="list-style-type: none"> <li>Three Warm Ups</li> <li>Equivalent Fractions and Simplest Form Open Notes Page</li> <li>Equivalent Fractions and Simplest Form Practice</li> <li>Equivalent Fractions Flip Book</li> </ul>	<ul style="list-style-type: none"> <li><input type="checkbox"/> 6<sup>th</sup> Grade Fractions and Decimals Print and Practice</li> <li><input type="checkbox"/> 6<sup>th</sup> Grade Number System Coloring Page</li> <li><input type="checkbox"/> Absolute Value and Opposites EDITABLE Coloring Page</li> <li><input type="checkbox"/> Adding and Subtracting Fractions Coloring Worksheet</li> <li><input type="checkbox"/> Addition and Subtraction of Fractions and Mixed Numbers Assessment</li> <li><input type="checkbox"/> Common Core Fraction Operations Math Stations</li> <li><input type="checkbox"/> Comparing and Ordering Rational Numbers PowerPoint Review Game</li> <li><input type="checkbox"/> Coordinate Plane Stations</li> <li><input type="checkbox"/> Emergency Fraction Sub Plans</li> <li><input type="checkbox"/> Fraction Concepts and Operations Fold and Flip Bundle</li> <li><input type="checkbox"/> Fraction Concepts and Operations Review Packet</li> <li><input type="checkbox"/> Fraction Concepts PowerPoint Review Game</li> <li><input type="checkbox"/> Fraction/Decimal/Percent Pairs Check Coloring</li> <li><input type="checkbox"/> Fraction Operations Board Game</li> <li><input type="checkbox"/> Fraction Operations Coloring Freebie</li> <li><input type="checkbox"/> Fraction Operations Coloring Pages</li> <li><input type="checkbox"/> Fraction Operations Math Stations</li> <li><input type="checkbox"/> Fraction Operations Mini Book</li> <li><input type="checkbox"/> Fraction Operations Notes and PowerPoint Bundle</li> <li><input type="checkbox"/> Fraction Operations Puzzle – Fall</li> <li><input type="checkbox"/> Fraction Operations Spin/Roll to Solve Game</li> <li><input type="checkbox"/> Fraction Operations Spiral Review Activity</li> <li><input type="checkbox"/> Fraction Operations Task Cards</li> <li><input type="checkbox"/> Fractions Coloring Worksheet</li> <li><input type="checkbox"/> Fractions Placemat Activity</li> <li><input type="checkbox"/> Fractions Word Problems Coloring page</li> <li><input type="checkbox"/> Halloween Fraction and Decimal Stations</li> <li><input type="checkbox"/> Integer Facts and Coordinate Graphing Practice</li> <li><input type="checkbox"/> Multiplying Fractions and Mixed Numbers Coloring Worksheet</li> <li><input type="checkbox"/> Valentines Day Fraction Activities</li> </ul>
(2) <u>Review</u> : Adding and Subtracting Fractions and Mixed Numbers	<ul style="list-style-type: none"> <li>Three Warm Ups</li> <li>Adding &amp; Subtracting Fractions and Mixed Numbers Notes</li> <li>Adding Fractions and Mixed Numbers Practice</li> <li>Subtracting Fractions and Mixed Numbers Practice</li> <li>Adding and Subtracting Fractions Steps Organizer</li> <li>Adding and Subtracting Mixed Numbers Steps Organizer.</li> <li>Adding and Subtracting Fractions and Mixed Numbers Word Problems</li> </ul>	
(3) <u>Review</u> : Multiplying Fractions and Mixed Numbers	<ul style="list-style-type: none"> <li>Three Warm Ups</li> <li>Multiplying Fractions and Mixed Numbers Notes</li> <li>Multiplying Fractions and Mixed Numbers Steps Organizer</li> <li>Multiplying Fractions and Mixed Numbers Practice</li> <li>Multiplying Fractions and Mixed Numbers Word Problems Practice</li> </ul>	
(4) Dividing Fractions and Mixed Numbers by Fractions	<ul style="list-style-type: none"> <li>Five Warm Ups</li> <li>Dividing Fractions and Mixed Numbers Notes</li> <li>Dividing Fractions and Mixed Numbers Practice</li> <li>Multiplying and Dividing Fractions and Mixed Numbers Steps Organizer</li> <li>Fraction Operations Mini Book</li> <li>Operations with Fractions and Mixed Numbers Quiz</li> </ul>	
(5) Understanding Integers	<ul style="list-style-type: none"> <li>Three Warm Ups</li> <li>Understanding Integers Notes</li> <li>Understanding Integers Fold and Flip Notes</li> <li>Understanding Integers Practice</li> <li>Understanding Integers Number Line Practice</li> </ul>	
(6) Absolute Value	<ul style="list-style-type: none"> <li>Three Warm Ups</li> <li>Absolute Value Notes</li> <li>Absolute Value Fold and Flip Notes</li> <li>Absolute Value Practice</li> </ul>	
(7) Plotting in a coordinate plane	<ul style="list-style-type: none"> <li>Three Warm Ups</li> <li>Coordinate Planes Notes (2 pages)</li> <li>Coordinate Planes Fold and Flip Notes</li> <li>Coordinate Planes Practice</li> <li>Coordinate Planes Real World Practice</li> </ul>	

# Unit 3 : Ratios, Rates and Percents

## Curriculum and Activities Pairing

Lesson	Curriculum Resources	Activities
(1) Ratios and Rates	<ul style="list-style-type: none"> <li>Three Warm Ups</li> <li>Ratios Notes</li> <li>Unit Rate Notes</li> </ul>	<input type="checkbox"/> 6 <sup>th</sup> Grade Ratios and Proportional Reasoning Review Booklet
(2) Proportions and Scale	<ul style="list-style-type: none"> <li>Three Warm Ups</li> <li>Proportions Notes</li> <li>Setting Up and Solving Proportions Notes (more detailed)</li> <li>Setting Up and Solving Proportions Fold and Flip Notes</li> <li>Scale Notes</li> <li>Proportions Practice (2 pages)</li> <li>Scale Practice</li> <li>Ratios, Rates, Proportions and Scale Quiz</li> </ul>	<input type="checkbox"/> Fractions Decimal Percent Coloring Page <input type="checkbox"/> Fractions Decimal Percent Conversion Stations <input type="checkbox"/> Fractions Decimals and Percents Activities <input type="checkbox"/> Fractions Decimals and Percents Puzzle <input type="checkbox"/> Fractions Decimals Percents Station Activity <input type="checkbox"/> Fractions Decimals and Percents Task Cards
(3) Units of Measure	<ul style="list-style-type: none"> <li>Three Warm Ups</li> <li>Metric Measurements Conversion Sheet</li> <li>Standard Measurements Conversion Sheet</li> <li>Units of Measure Notes</li> <li>Units of Measure Metric Practice</li> <li>Units of Measure Standard Practice</li> <li>Proportions and Units of Measure Quiz</li> </ul>	<input type="checkbox"/> Percent of a Number EDITABLE Coloring Page
(4) Percent of a Number	<ul style="list-style-type: none"> <li>Three Warm Ups</li> <li>Percent Notes</li> <li>Percent of a Number Notes</li> <li>Discount Notes</li> <li>Taxes and Tips Notes and Practice</li> </ul>	<input type="checkbox"/> Percent of a Number Coloring Worksheet <input type="checkbox"/> Percent of a Number Guided Practice <input type="checkbox"/> Percent of a Number Pairs Check Coloring
(5) Fractions, Decimals and Percents Relationships	<ul style="list-style-type: none"> <li>Three Warm Ups</li> <li>Fractions, Decimals and Percents Notes (2 pages)</li> <li>Repeating and Terminating Decimals Notes</li> <li>Percent Conversions Fold and Flip Notes</li> <li>Decimal Conversions Fold and Flip Notes</li> <li>Fraction Conversions Fold and Flip Notes</li> <li>Fractions, Decimals and Percents Graphic Organizer</li> <li>Fractions, Decimals and Percents Practice</li> </ul>	<input type="checkbox"/> Percent of a Number Puzzle <input type="checkbox"/> Proportions and unit Rate Coloring Worksheet <input type="checkbox"/> Proportions and Unit Rate Notes and Practice
(6) Compare and Order Fractions, Decimals and Percents	<ul style="list-style-type: none"> <li>Three Warm Ups</li> <li>Compare and Order Fractions, Decimals and Percents Notes</li> <li>Compare and Order Fractions, Decimals and Percents</li> <li>Order Fractions, Decimals and Percents</li> <li>Fractions, Decimal and Percents Quiz</li> </ul>	<input type="checkbox"/> Ratios, Rates and Percents Mini Book

# Unit 4 : Expressions

## Curriculum and Activities Pairing

Lesson	Curriculum Resources	Activities
(1) Exponents and Order of Operations	<ul style="list-style-type: none"> <li>• Three Warm Ups</li> <li>• Exponents Notes</li> <li>• Exponents Practice</li> <li>• Exponents Matching Activity</li> <li>• Order of Operations Notes</li> <li>• Order of Operations Fold and Flip Notes</li> <li>• Order of Operations Practice (2 pages)</li> </ul>	<ul style="list-style-type: none"> <li>❑ 6<sup>th</sup> Grade Expressions Stations</li> <li>❑ Combining Like Terms Activity</li> <li>❑ Distributive Property Coloring Worksheet</li> <li>❑ Distributive Property Notes</li> <li>❑ Distributive Property Pairs Check Coloring</li> <li>❑ Distributive Property Puzzle with Whole Numbers</li> <li>❑ Distributive Property Reciprocal Learning Exercises</li> <li>❑ Distributive Property Stations</li> <li>❑ Distributive Property Task Cards</li> <li>❑ Evaluating Expressions Spin/Roll To Solve Game</li> <li>❑ Expressions and Properties Mini Book</li> <li>❑ Order of Operations Coloring Worksheet Fall</li> <li>❑ Order of Operations Coloring Worksheet Summer</li> <li>❑ Order of Operations Stations</li> <li>❑ Order of Operations with Whole Numbers Task Cards</li> <li>❑ Properties of Operations Coloring Page</li> </ul>
(2) Properties of Math	<ul style="list-style-type: none"> <li>• Three Warm Ups</li> <li>• Properties of Math Notes</li> <li>• Properties of Math Fold and Flip Notes</li> <li>• Properties of Math Sorting Activity</li> <li>• Properties of Math Practice</li> </ul>	
(3) The Distributive Property	<ul style="list-style-type: none"> <li>• Three Warm Ups</li> <li>• GCF and LCM Notes</li> <li>• GCF and LCM Practice</li> <li>• Distributive Property Notes</li> <li>• Distributive Property Guided Practice</li> <li>• Distributive Property Practice (2 pages)</li> </ul>	
(4) Writing Algebraic Expressions	<ul style="list-style-type: none"> <li>• Three Warm Ups</li> <li>• Writing Algebraic Expressions Notes</li> <li>• Writing Algebraic Expressions Fold and Flip Notes</li> <li>• Writing Algebraic Expressions Practice (2 pages)</li> <li>• Writing Algebraic Expressions Matching Activity</li> </ul>	
(5) Evaluating Algebraic Expressions	<ul style="list-style-type: none"> <li>• Three Warm Ups</li> <li>• Evaluating Expressions Notes</li> <li>• Evaluating Expression Practice (2 pages)</li> </ul>	

# Unit 5 : Equations and Inequalities Curriculum and Activities Pairing

Lesson	Curriculum Resources	Activities
(1) Identifying and Understanding Equations	<ul style="list-style-type: none"> <li>• Two Warm Ups</li> <li>• Equations Notes</li> <li>• Equations Graphic Organizer</li> <li>• Mathematical Statements Fold and Flip Notes</li> <li>• Identifying and Understanding Equations Practice</li> <li>• Independent and Dependent Variables Notes</li> <li>• Independent and Dependent Variables Practice</li> </ul>	<ul style="list-style-type: none"> <li>❑ 6<sup>th</sup> Grade Equations and Expressions No Prep Packet</li> <li>❑ 6<sup>th</sup> Grade Expressions and Equations Review Booklet</li> <li>❑ Equations and Inequalities Mini Book</li> <li>❑ Equations and Inequalities Stations</li> <li>❑ Graphing Inequalities Coloring Page</li> <li>❑ Solving One Step Equations Coloring Page</li> </ul>
(2) Writing Equations	<ul style="list-style-type: none"> <li>• Two Warm Ups</li> <li>• Writing Equations Notes</li> <li>• Writing Equations Practice (2 pages)</li> </ul>	
(3) Solving Equations	<ul style="list-style-type: none"> <li>• Three Warm Ups</li> <li>• Solving Equations Notes (2 pages)</li> <li>• Solutions to Equations Practice</li> <li>• Solving Equations Practice</li> <li>• Writing and Solving Equations Practice</li> <li>• Write and Solve Equations Matching Activity</li> </ul>	
(4) Writing and Graphing Inequalities	<ul style="list-style-type: none"> <li>• Three Warm Ups</li> <li>• Inequalities Notes (2 pages)</li> <li>• Inequalities Graphic Organizer</li> <li>• Inequalities Symbols Fold and Flip Notes</li> <li>• Inequalities Matching Activity</li> <li>• Inequalities Practice (4 pages)</li> </ul>	

# Unit 6 : Geometry

## Curriculum and Activities Pairing

Lesson	Curriculum Resources	Activities
1) Area of Squares, Rectangles and Triangles	<ul style="list-style-type: none"> <li>• Three Warm Ups</li> <li>• Area of Squares and Rectangles Notes</li> <li>• Area of Triangles Notes</li> <li>• Area of Squares and Rectangles</li> <li>• Area of Triangles Practice</li> <li>• Area of Triangles and Rectangles Error Analysis</li> </ul>	<ul style="list-style-type: none"> <li>❑ 6<sup>th</sup> Grade Geometry Review Booklet</li> <li>❑ 6<sup>th</sup> Grade Geometry Stations</li> <li>❑ Area Coloring Worksheet</li> <li>❑ Area Notes and Practice Worksheet</li> <li>❑ Area PowerPoint Review Game</li> <li>❑ Basic Geometric Concepts Worksheet</li> <li>❑ Geometry Mini Book</li> <li>❑ Surface Area Coloring Worksheet</li> <li>❑ Surface Area Notes and Practice</li> <li>❑ Surface Area Reciprocal Learning Exercises</li> <li>❑ Volume of Cubes and Rectangular Prisms Coloring</li> <li>❑ Volume Pairs Check Coloring Activity</li> </ul>
2) Area of Parallelograms and Trapezoids	<ul style="list-style-type: none"> <li>• Three Warm Ups</li> <li>• Area of Parallelograms Notes</li> <li>• Area of Trapezoids Notes</li> <li>• Area of Special Shapes Notes</li> <li>• Area Flip Book</li> <li>• Area of Parallelograms Practice</li> <li>• Area of Trapezoids Practice</li> <li>• Area of Special Shapes Practice</li> <li>• Missing Dimensions Practice</li> <li>• Area and Perimeter in the Real World Practice</li> <li>• Area Quiz</li> </ul>	
3) Polygons in the Coordinate Plane	<ul style="list-style-type: none"> <li>• Three Warm Ups</li> <li>• Polygons in the Coordinate Plane Notes</li> <li>• Polygons in the Coordinate Plane Practice (3 pages)</li> </ul>	
4) Surface Area & Nets	<ul style="list-style-type: none"> <li>• Three Warm Ups</li> <li>• Nets Notes</li> <li>• Surface Area Notes</li> <li>• Nets Practice</li> <li>• Surface Area Practice (2 pages)</li> <li>• Nets, Surface Area and 3D figures Matching Activity</li> </ul>	
5) Volume of Prisms	<ul style="list-style-type: none"> <li>• Three Warm Ups</li> <li>• Volume Notes (2 pages)</li> <li>• Volume Practice (2 pages)</li> <li>• Volume Matching Activity</li> </ul>	

# Unit 7 : Data Displays and Measures of Center Curriculum and Activities Pairing

Lesson	Curriculum Resources	Activities
1) Measures of Center and Variation	<ul style="list-style-type: none"> <li>• Two Warm Ups</li> <li>• Measures of Center &amp; Variation Notes</li> <li>• Measures of Center &amp; Variation Fold and Flip Notes</li> <li>• Measures of Center &amp; Variation Notes Guided Practice</li> <li>• Measures of Center &amp; Variation Practice</li> </ul>	<ul style="list-style-type: none"> <li>❑ 6<sup>th</sup> Grade Statistics and Probability Resources</li> <li>❑ 6<sup>th</sup> Grade Statistics and Probability Review Booklet</li> <li>❑ Box and Whisker Plots Notes and Guided Practice Worksheets</li> <li>❑ Box and Whisker Plots Practice</li> <li>❑ Box and Whisker Coloring Page</li> <li>❑ Data Displays Station Activities</li> <li>❑ Data Displays Task Cards</li> <li>❑ Data Unit Mini Book</li> <li>❑ Halloween Classroom Survey and Graphing Activity</li> <li>❑ Measure of Central Tendency Coloring</li> </ul>
2) Line Plots and Stem & Leaf Plots	<ul style="list-style-type: none"> <li>• Two Warm Ups</li> <li>• Stem and Leaf Plots Notes (2 pages)</li> <li>• Line Plots Notes</li> <li>• Stem and Leaf Plots Practice (2 pages)</li> <li>• Line Plots Practice</li> <li>• Data Displays Comparison Chart (Complete over the next three lessons.)</li> </ul>	
3) Frequency Tables and Histograms	<ul style="list-style-type: none"> <li>• Two Warm Ups</li> <li>• Frequency Tables Notes</li> <li>• Histogram Notes</li> <li>• Frequency Tables Practice</li> <li>• Histograms Practice</li> <li>• Add to Data Displays Comparison Chart (from lesson two)</li> </ul>	
4) Box and Whisker Plots	<ul style="list-style-type: none"> <li>• Two Warm Ups</li> <li>• Box and Whisker Plots Notes</li> <li>• Box and Whisker Plots Fold and Flip Notes</li> <li>• Box and Whisker Plots Practice (2 pages)</li> <li>• Finish Data Displays Comparison Chart (from lesson two)</li> </ul>	
5) Characteristics of Data Displays	<ul style="list-style-type: none"> <li>• Two Warm Ups</li> <li>• Characteristics of Data Displays Notes</li> <li>• Data Displays Fold and Flip Notes</li> <li>• Data Displays Graphic Organizer</li> <li>• Characteristics of Data Displays Practice</li> </ul>	