

# SCOPE AND SEQUENCE

## 7<sup>TH</sup> GRADE MATH CURRICULUM

Unit	Title	Days	Standards
<b>1</b>	Integers & Rational Numbers	18	7.NS.1 7.NS.2 7.NS.3
<b>2</b>	Expressions, Equations and Inequalities	25	7.EE.1 7.EE.3 7.EE.4a 7.EE.4b
<b>3</b>	Ratios, Rates, Proportions & Percents	21	7.RP.1 7.RP.2 7.RP.3 7.G.1 7.EE.2 7.EE.3
<b>4</b>	Geometry and Area	23	7.G.2 7.G.4 7.G.5 7.G.6
<b>5</b>	Analyzing Data	10	7.SP.1 7.SP.2 7.SP.3 7.SP.4
<b>6</b>	Probability	13	7.SP.5 7.SP.6 7.SP.8

# INTEGERS & RATIONAL NUMBERS UNIT PLAN

Lesson	Resources
Unit Prep (pgs. 6 – 12)	<ul style="list-style-type: none"><li>• Vocabulary Page</li><li>• Warm Up Page</li><li>• Unit Pre-Assessment</li></ul>
(1) Absolute Value (pgs. 13 – 18)	<ul style="list-style-type: none"><li>• Two Warm Ups</li><li>• Absolute Value Notes (2 pages)</li><li>• Absolute Value Practice</li><li>• Compare and Order Rational Numbers Practice</li></ul>
(2) Adding Rational Numbers (pgs. 19 – 26)	<ul style="list-style-type: none"><li>• Four Warm Ups</li><li>• Adding Rational Numbers Notes (2 pages)</li><li>• Adding Rational Numbers Worksheet</li><li>• Adding Rational Numbers (With Fractions) Worksheet</li></ul>
(3) Subtracting Rational Numbers (pgs. 27 – 36)	<ul style="list-style-type: none"><li>• Four Warm Ups</li><li>• Subtracting Rational Numbers Notes (2 pages)</li><li>• Subtracting Rational Numbers Worksheet</li><li>• Adding and Subtracting Rational Numbers Graphic Organizer</li><li>• Adding and Subtracting Rational Numbers Worksheet</li><li>• Absolute Value and Adding and Subtracting Rational Numbers Quiz</li></ul>
(4) Multiplying & Dividing Rational Numbers (pgs. 37 – 47)	<ul style="list-style-type: none"><li>• Four Warm Ups</li><li>• Multiplying and Dividing Rational Numbers Notes</li><li>• Multiplying Rational Numbers Practice</li><li>• Multiplying and Dividing Rational Numbers Practice</li><li>• Rational Number Operations Review Table</li><li>• Rational Number Operations Fold &amp; Flip Notes</li></ul>
(5) Converting Rational Numbers to Decimals (pgs. 48 – 56)	<ul style="list-style-type: none"><li>• 4 Warm Ups</li><li>• Converting Rational Numbers to Decimals Notes (3 pages)</li><li>• Converting Rational Numbers to Decimals Practice (2 pages)</li><li>• Multiplying &amp; Dividing Rational Numbers and Converting Rational Numbers to Decimals Quiz</li></ul>
End of Unit (pgs. 57 – 61)	<ul style="list-style-type: none"><li>• Unit Post-Assessment</li></ul>

**18 DAY  
UNIT**

# EQUATIONS, EXPRESSIONS & INEQUALITIES

Lesson	Resources
Unit Prep (pages 7 – 13)	<div data-bbox="1062 162 1379 484"> <b>25 DAY UNIT</b> </div> <ul style="list-style-type: none"> <li>• Vocabulary Page</li> <li>• Warm Up Page</li> <li>• Unit Pre-Assessment (1 page)</li> </ul>
(1) Properties and Order of Operations (pages 14 - 27)	<ul style="list-style-type: none"> <li>• Two Warm Ups</li> <li>• Properties and Order of Operations Notes</li> <li>• Properties of Operations Fold and Flip Notes (3 versions)</li> <li>• Order of Operations Fold and Flip Notes (3 versions)</li> <li>• Mathematical Properties Practice</li> <li>• Order of Operations Practice</li> <li>• Equivalent Expressions Practice</li> </ul>
{Optional} Combining Like Terms Mini Lesson (Separate file)	<ul style="list-style-type: none"> <li>• Combining Like Terms notes</li> <li>• Combining Like Terms Practice</li> <li>• Combining Like Terms Matching Activity</li> </ul>
(2) Adding and Subtracting Expressions (pages 28 – 38)	<ul style="list-style-type: none"> <li>• Four Warm Ups</li> <li>• Adding and Subtracting Expressions Notes</li> <li>• Adding and Subtracting Expressions Guided Practice</li> <li>• Adding and Subtracting Expressions Fold and Flip Notes</li> <li>• Adding and Subtracting Expressions Practice</li> <li>• Adding and Subtracting Expressions Real World Applications</li> </ul>
(3) Factoring & Expanding Expressions (pages 39 – 48)	<ul style="list-style-type: none"> <li>• Four Warm Ups</li> <li>• Factoring Expressions Notes</li> <li>• Expanding Expressions Notes</li> <li>• Factoring and Expanding Expressions Practice (3 pages)</li> <li>• Lessons 1 – 3 Quiz (2 pages)</li> </ul>
(4) Writing Expressions & Equations (pages 49 – 56)	<ul style="list-style-type: none"> <li>• Four Warm Ups</li> <li>• Writing Expressions &amp; Equations Key Words Graphic Organizer</li> <li>• Writing Expressions &amp; Equations Notes (2 pages)</li> <li>• Writing Expressions and Equations Practice (2 pages)</li> </ul>

# EQUATIONS, EXPRESSIONS & INEQUALITIES

Lesson	Resources
(5) Solving Expressions & Equations (pages 57 – 69)	<ul style="list-style-type: none"><li>• Four Warm Ups</li><li>• Evaluating Expressions Notes</li><li>• Solving Equations Notes (2 pages)</li><li>• Solving Equations Fold and Flip Notes (3 versions)</li><li>• Solving Equations Practice (2 pages)</li><li>• Writing and Solving Expressions and Equations Quiz</li></ul>
(6) Writing Inequalities (pages 70 – 77)	<ul style="list-style-type: none"><li>• Four Warm Ups</li><li>• Writing Inequalities Key Words Graphic Organizer</li><li>• Writing Inequalities Notes (2 pages)</li><li>• Writing Inequalities Practice (2 pages)</li></ul>
(7) Solving Inequalities (pages 78 – 89)	<ul style="list-style-type: none"><li>• Four Warm Ups</li><li>• Solving Inequalities Notes</li><li>• Flip Flop Inequalities Notes</li><li>• Flip Flop Inequalities Fold and Flip Notes</li><li>• Solving Inequalities Practice</li><li>• Writing &amp; Solving Inequalities Practice</li><li>• Writing &amp; Solving Inequalities Quiz</li></ul>
(8) Graphing Solutions to Inequalities (pages 90 – 95)	<ul style="list-style-type: none"><li>• Four Warm Ups</li><li>• Graphing Solutions to Inequalities Notes</li><li>• Graphing Solutions to Inequalities {Number Line Practice}</li><li>• Interpreting Solutions to Inequalities from Number Lines</li></ul>
End of Unit (pages 96 – 102)	<ul style="list-style-type: none"><li>• Study Guide (2 pages)</li><li>• Final Unit Exam (4 pages)</li></ul>

# RATIOS, RATES, PERCENT AND PROPORTIONS

Lesson	Resources
Unit Prep (pages 6 – 14)	<ul style="list-style-type: none"> <li>• Vocabulary Page</li> <li>• Warm Up Page</li> <li>• Unit Pre-Assessment</li> </ul>
(1) Represent & Solve Proportional Relationships  (pages 15 – 30)	<ul style="list-style-type: none"> <li>• Six Warm Ups</li> <li>• Proportional Relationships Notes</li> <li>• Solving Proportions with Equations Fold and Flip Notes</li> <li>• Proportional Relationships Guided Practice</li> <li>• Proportional Relationships Practice (2 pages)</li> <li>• Proportional Relationships Writing and Solving Practice</li> <li>• Proportional Relationships in the Real World</li> </ul>
(2) Identify and Compute Unit Rates  (pages 31 – 46)	<ul style="list-style-type: none"> <li>• Four Warm Ups</li> <li>• Unit Rate Notes (2 pages)</li> <li>• Unit Rate from Tables, Graphs, Equations and Real World Situations Fold and Flip Notes</li> <li>• Unit Rate Practice (2 pages)</li> <li>• Unit Rate Matching Activity (2 pages)</li> </ul>
(3) Multi-Step Percent Problems  (pages 47 – 62)	<ul style="list-style-type: none"> <li>• Four Warm Ups</li> <li>• Discount, Taxes and Tips Notes</li> <li>• Equivalent Expressions and Percent Change Notes</li> <li>• Tips, Taxes and Discounts Fold and Flip Notes</li> <li>• Simple Interest Notes</li> <li>• Multi-Step Percent Problems Practice</li> <li>• Taxes and Tips Practice</li> <li>• Discounts Practice</li> <li>• Simple Interest Practice</li> <li>• Error Analysis Cards {Multi-Step Percents}</li> </ul>
(4) Scale Drawings  (pages 63 – 77)	<ul style="list-style-type: none"> <li>• Four Warm Ups</li> <li>• Scale Drawings Notes (2 pages)</li> <li>• Scale Terms Fold and Flip Notes</li> <li>• Scale Drawings Practice (2 pages)</li> <li>• Scale Practice</li> <li>• Similar Figures Practice</li> </ul>
End of Unit (pages 78 – 87)	<ul style="list-style-type: none"> <li>• Study Guide</li> <li>• Unit Post-Assessment (2 versions)</li> </ul>

**21 DAY  
UNIT**

# GEOMETRY UNIT PLAN : 7<sup>TH</sup> GRADE

**23 DAY  
UNIT**

Lesson	Resources
Unit Prep (pgs. 7 – 14)	<ul style="list-style-type: none"> <li>• Vocabulary Page</li> <li>• Warm Up Page</li> <li>• Unit Pre-Assessment</li> </ul>
(1) Angle Relationships (pgs. 15 – 29)	<ul style="list-style-type: none"> <li>• Four Warm Ups</li> <li>• Angle Notes</li> <li>• Protractor notes</li> <li>• Explore Angle Relationships with Practice Worksheet</li> <li>• Angle Relationships Notes</li> <li>• Unknown Angle Notes (3 pages)</li> <li>• Mathville Math : Angle Practice (3 pages)</li> <li>• Angle and Angle Relationships Practice</li> <li>• Missing Angle Relationships Practice</li> </ul>
(2) Constructing Triangles (pgs. 30 – 51)	<ul style="list-style-type: none"> <li>• Four Warm Ups</li> <li>• Constructing Triangles Exploration Activity (3 pages)</li> <li>• Constructing Triangles Notes (2 pages)</li> <li>• Constructing Triangles Given Three Side Lengths Guided Practice</li> <li>• Constructing Triangles Given Angle Measurements Guided Practice</li> <li>• Constructing Triangles Given Two Sides and an Angle Guided Practice</li> <li>• Constructing Triangles Given Two Angles and a Side Guided Practice</li> <li>• Constructing Triangles Fold and Flip Notes</li> <li>• Constructing Triangles Given Three Side Lengths Practice</li> <li>• Constructing Triangles Given Angle Measurements Practice</li> <li>• Constructing Triangles Given Two Sides and an Angle Practice</li> <li>• Constructing Triangles Given Two Angles and a Side Practice</li> <li>• Angles and Triangles Quiz (2 pages)</li> </ul>

# GEOMETRY UNIT PLAN : 7<sup>TH</sup> GRADE

Lesson	Resources
(3) Area and Circumference of Circles (pgs. 52 – 65)	<ul style="list-style-type: none"> <li>• Four Warm Ups</li> <li>• Area and Circumference of Circles Notes (2 pages)</li> <li>• Area and Circumference of Circles Fold and Flip Notes</li> <li>• Area and Circumference of Circles Practice</li> <li>• Area and Circumference of Circles Applications (2 pages)</li> </ul>
(4) Cross Sections (pgs. 66 – 72)	<p>&gt;&gt; Quick mini-lesson &lt;&lt;</p> <ul style="list-style-type: none"> <li>• Two Warm Ups</li> <li>• Cross-Sections Notes</li> <li>• Cross-Sections Exploration</li> <li>• Cross-Sections Practice (2 pages)</li> <li>• Circles and Cross-Sections Quiz</li> </ul>
(5) Surface Area (pgs. 73 – 82)	<ul style="list-style-type: none"> <li>• Four Warm Ups</li> <li>• Surface Area Notes &amp; Guided Practice – Right Rectangular Prisms (2 pages)</li> <li>• Surface Area Notes – Triangular Prisms</li> <li>• Surface Area Practice – Right Rectangular Prisms (2 pages)</li> <li>• Surface Area Practice – Triangular Prisms</li> </ul>
(6) Volume (pgs. 83 – 102)	<ul style="list-style-type: none"> <li>• Four Warm Ups</li> <li>• Volume Notes and Practice (4 pages)</li> <li>• Volume and Surface Area Fold and Flip Notes</li> <li>• Volume and Surface Area of Rectangular Prisms Matching Activity</li> <li>• Volume and Surface Area Quiz</li> </ul>
End of Unit (pgs. 103 – 107)	<ul style="list-style-type: none"> <li>• Study Guide</li> <li>• Unit Post-Assessment (3 pages)</li> </ul>

# ANALYZING DATA UNIT PLAN

**10 DAY  
UNIT**

Lesson	Resources
Unit Prep (pages 6 – 14)	<ul style="list-style-type: none"> <li>• Vocabulary Page</li> <li>• Warm Up Page</li> <li>• Unit Pre-Assessment</li> </ul>
(1) Random Samples (pages 13 – 17)	<ul style="list-style-type: none"> <li>• Two Warm Ups</li> <li>• Random Samples Exploration</li> <li>• Random Samples Notes</li> <li>• Random Samples Practice (2 pages)</li> </ul>
(2) Measures of Center (pages 18 – 27)	<ul style="list-style-type: none"> <li>• Two Warm Ups</li> <li>• Measures of Center Notes</li> <li>• Measures of Center Fold and Flip Notes</li> <li>• Finding Mean Scaffolded Practice</li> <li>• Finding Median, Mode and Range Scaffolded Practice</li> <li>• Measures of Center Practice</li> </ul>
(3) Measures of Variability (pages 28 – 36)	<ul style="list-style-type: none"> <li>• Two Warm Ups</li> <li>• Measures of Variability Notes</li> <li>• Measures of Variability Fold and Flip Notes</li> <li>• Measures of Variability Practice Worksheet</li> <li>• Measures of Variability Real World Practice Worksheet</li> </ul>
(4) Visual Overlap (pages 37 – 47)	<ul style="list-style-type: none"> <li>• Two Warm Ups</li> <li>• Visual Overlap Exploration</li> <li>• Visual Overlap Notes (2 pages)</li> <li>• Mean Absolute Deviation Fold and Flip Notes</li> <li>• Visual Overlap Practice (2 pages)</li> </ul>
End of Unit (pages 48 – 52)	<ul style="list-style-type: none"> <li>• Study Guide</li> <li>• Unit Post-Assessment</li> </ul>



# PROBABILITY UNIT PLAN

**13 DAY  
UNIT**

Lesson	Resources
Unit Prep (pgs. 6 – 13)	<ul style="list-style-type: none"> <li>• Vocabulary Page</li> <li>• Warm Up Page</li> <li>• Unit Pre-Assessment</li> </ul>
(1) Simple Probability  (pgs. 14 – 37)	<ul style="list-style-type: none"> <li>• Four Warm Ups</li> <li>• Understanding Probability Notes</li> <li>• Understanding Probability Fold and Flip Notes</li> <li>• Understanding Probability Sorting Activity</li> <li>• Simple Probability Notes</li> <li>• Theoretical and Experimental Probability Notes</li> <li>• Theoretical and Experimental Partner Activity</li> <li>• Odds vs. Probability Notes</li> <li>• Simple Probability Practice</li> <li>• Simple Probability Spinner Practice</li> <li>• Theoretical Probability Spinner Practice</li> <li>• Theoretical Probability Extra Practice (4 pages)</li> <li>• Experimental and Theoretical Probability Practice (3 pages)</li> </ul>
(2) Compound Probability  (pgs. 38 – 55)	<ul style="list-style-type: none"> <li>• Four Warm Ups</li> <li>• Compound Probability Notes (2 pages)</li> <li>• Independent and Dependent Events Sorting Activity</li> <li>• Independent and Dependent Events Fold and Flip Notes</li> <li>• Compound Probability Practice (2 pages)</li> <li>• Tree Diagrams Practice</li> <li>• Constructed Response Practice (2 pages)</li> <li>• Probability Quiz (Two different versions – two pages each)</li> </ul>
(3) Simulations  (pgs. 56 – 67)	<ul style="list-style-type: none"> <li>• Four Warm Ups</li> <li>• Simulations Notes</li> <li>• Simulations Practice Worksheets (4 different resources - 7 different pages)</li> </ul>
End of Unit (pgs. 68 – 77)	<ul style="list-style-type: none"> <li>• Mini Review Booklet</li> <li>• Unit Post-Assessment</li> </ul>

# 7<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.

- ☐ 7<sup>th</sup> Grade End of Year Task Cards
- ☐ 7<sup>th</sup> Grade Common Core Benchmark Exams
- ☐ 7<sup>th</sup> Grade Common Core Standards Checklists
- ☐ 7<sup>th</sup> Grade Math Fold and Flip Notes
- ☐ 7<sup>th</sup> Grade Math Homework Notebook
- ☐ 7<sup>th</sup> Grade Math Mini Assessments (With and without CCSS labels)
- ☐ 7<sup>th</sup> Grade Math Prep Packet
- ☐ 7<sup>th</sup> Grade Math Skills Reference Sheets
- ☐ 7<sup>th</sup> Grade Math Assessment Skills Review
- ☐ 7<sup>th</sup> Grade Math Vocabulary Cards
- ☐ Christmas Review Stations
- ☐ Editable Christmas Coloring Pages
- ☐ Editable Fall Coloring Pages
- ☐ Editable Halloween Coloring Pages
- ☐ Halloween Word Problems : The Costume Shop
- ☐ Math Mistakes in the Real World
- ☐ Middle School Math Brief Constructed Response Practice
- ☐ Middle School Math Review Skills and Practice
- ☐ Middle School Math Review Activity
- ☐ No Prep Christmas Math Activities for 7<sup>th</sup> Grade
- ☐ St. Patrick's Day Themed Stations
- ☐ Thanksgiving Word Problems
- ☐ The Cupcake Shop Performance Task

# Unit I : Integers and Rational Numbers Curriculum and Activities Pairing

Lesson	Curriculum Resources	Activities
(1) Absolute Value	<ul style="list-style-type: none"> <li>Two Warm Ups</li> <li>Absolute Value Notes (2 pages)</li> <li>Absolute Value Practice</li> <li>Compare and Order Rational Numbers Practice</li> </ul>	<ul style="list-style-type: none"> <li><input type="checkbox"/> 7<sup>th</sup> Grade Number System Review Booklet</li> <li><input type="checkbox"/> Addition and Subtraction of Integers Assessment</li> </ul>
(2) Adding Rational Numbers	<ul style="list-style-type: none"> <li>Four Warm Ups</li> <li>Adding Rational Numbers Notes (2 pages)</li> <li>Adding Rational Numbers Worksheet</li> <li>Adding Rational Numbers (With Fractions) Worksheet</li> </ul>	<ul style="list-style-type: none"> <li><input type="checkbox"/> Additional Integer Operation Unit Resources</li> <li><input type="checkbox"/> Cooperative Learning Fraction Operations Game</li> </ul>
(3) Subtracting Rational Numbers	<ul style="list-style-type: none"> <li>Four Warm Ups</li> <li>Subtracting Rational Numbers Notes (2 pages)</li> <li>Subtracting Rational Numbers Worksheet</li> <li>Adding and Subtracting Rational Numbers Graphic Organizer</li> <li>Adding and Subtracting Rational Numbers Worksheet</li> <li>Absolute Value and Adding and Subtracting Rational Numbers Quiz</li> </ul>	<ul style="list-style-type: none"> <li><input type="checkbox"/> Integer Operations Cooperative Learning Activity</li> <li><input type="checkbox"/> Integer Operations Fold and Flip Notes</li> <li><input type="checkbox"/> Integer Operations Project</li> <li><input type="checkbox"/> Integer Operations Puzzle</li> <li><input type="checkbox"/> Integer Operations Spin/Roll To Solve Game</li> </ul>
(4) Multiplying & Dividing Rational Numbers	<ul style="list-style-type: none"> <li>Four Warm Ups</li> <li>Multiplying and Dividing Rational Numbers Notes</li> <li>Multiplying Rational Numbers Practice</li> <li>Multiplying and Dividing Rational Numbers Practice</li> <li>Rational Number Operations Review Table</li> <li>Rational Number Operations Fold &amp; Flip Notes</li> </ul>	<ul style="list-style-type: none"> <li><input type="checkbox"/> Integer Operations Stations</li> <li><input type="checkbox"/> Integer Order of Operations Coloring Page</li> <li><input type="checkbox"/> Integer Order of Operations Holiday Riddle</li> <li><input type="checkbox"/> Integer Word Problems Coloring Page</li> <li><input type="checkbox"/> Integer and Order of Operations Puzzle Worksheet</li> </ul>
(5) Converting Rational Numbers to Decimals	<ul style="list-style-type: none"> <li>4 Warm Ups</li> <li>Converting Rational Numbers to Decimals Notes (3 pages)</li> <li>Converting Rational Numbers to Decimals Practice (2 pages)</li> <li>Multiplying &amp; Dividing Rational Numbers and Converting Rational Numbers to Decimals Quiz</li> </ul>	<ul style="list-style-type: none"> <li><input type="checkbox"/> Integers and Rational Numbers Mini Book</li> <li><input type="checkbox"/> Operations with Fractions and Mixed Numbers Performance Task</li> <li><input type="checkbox"/> Order of Operations with Integers Task Cards</li> </ul>

# Unit 2 : Equations, Expressions and Inequalities Curriculum and Activities Pairing

Lesson	Curriculum Resources	Activities
(1) Properties and Order of Operations	<ul style="list-style-type: none"> <li>• Two Warm Ups</li> <li>• Properties and Order of Operations Notes</li> <li>• Properties of Operations Fold and Flip Notes (3 versions)</li> <li>• Order of Operations Fold and Flip Notes (3 versions)</li> <li>• Mathematical Properties Practice</li> <li>• Order of Operations Practice</li> <li>• Equivalent Expressions Practice</li> </ul>	<ul style="list-style-type: none"> <li><input type="checkbox"/> 7<sup>th</sup> Grade Expressions and Equations Review Booklet</li> <li><input type="checkbox"/> Distributive Property with Integers Notes and Coloring Page</li> <li><input type="checkbox"/> Distributive Property with Integers Puzzle</li> <li><input type="checkbox"/> Equations, Formulas and Fractions Coloring Page</li> <li><input type="checkbox"/> Equations Mini Book</li> <li><input type="checkbox"/> Expressions Cube Activity</li> <li><input type="checkbox"/> Expressions Mini Book</li> </ul>
{Optional} Combining Like Terms Mini Lesson (Separate file)	<ul style="list-style-type: none"> <li>• Combining Like Terms notes</li> <li>• Combining Like Terms Practice</li> <li>• Combining Like Terms Matching Activity</li> </ul>	<ul style="list-style-type: none"> <li><input type="checkbox"/> Factoring and Expanding Matching Activity</li> <li><input type="checkbox"/> Formulas Coloring Worksheet (2)</li> <li><input type="checkbox"/> Order of Operations with Integers Task Cards</li> <li><input type="checkbox"/> Simplifying Expressions Spin/Roll to Solve Game</li> <li><input type="checkbox"/> Two-Step Equations Reciprocal Learning Exercises</li> <li><input type="checkbox"/> Writing and Solving Equations Task Cards</li> </ul>
(2) Adding and Subtracting Expressions	<ul style="list-style-type: none"> <li>• Four Warm Ups</li> <li>• Adding and Subtracting Expressions Notes</li> <li>• Adding and Subtracting Expressions Guided Practice</li> <li>• Adding and Subtracting Expressions Fold and Flip Notes</li> <li>• Adding and Subtracting Expressions Practice</li> <li>• Adding and Subtracting Expressions Real World Applications</li> </ul>	<ul style="list-style-type: none"> <li><input type="checkbox"/> Writing Equations Christmas Activity</li> <li><input type="checkbox"/> Writing Equations Coloring Worksheet</li> <li><input type="checkbox"/> Writing Equations Matching Activity</li> </ul>
(3) Factoring & Expanding Expressions	<ul style="list-style-type: none"> <li>• Four Warm Ups</li> <li>• Factoring Expressions Notes</li> <li>• Expanding Expressions Notes</li> <li>• Factoring and Expanding Expressions Practice (3 pages)</li> <li>• Lessons 1 – 3 Quiz (2 pages)</li> </ul>	
(4) Writing Expressions & Equations	<ul style="list-style-type: none"> <li>• Four Warm Ups</li> <li>• Writing Expressions &amp; Equations Key Words Graphic Organizer</li> <li>• Writing Expressions &amp; Equations Notes (2 pages)</li> <li>• Writing Expressions and Equations Practice (2 pages)</li> </ul>	

# Unit 2 : Equations, Expressions and Inequalities Curriculum and Activities Pairing

Lesson	Curriculum Resources	Activities
(5) Solving Expressions & Equations	<ul style="list-style-type: none"> <li>• Four Warm Ups</li> <li>• Evaluating Expressions Notes</li> <li>• Solving Equations Notes (2 pages)</li> <li>• Solving Equations Fold and Flip Notes (3 versions)</li> <li>• Solving Equations Practice (2 pages)</li> <li>• Writing and Solving Expressions and Equations Quiz</li> </ul>	<ul style="list-style-type: none"> <li><input type="checkbox"/> Inequalities Matching</li> <li><input type="checkbox"/> Inequalities Mini Book</li> <li><input type="checkbox"/> Inequalities PowerPoint Review Game</li> <li><input type="checkbox"/> Inequalities Station Activities</li> <li><input type="checkbox"/> Inequalities Matching (Google)</li> <li><input type="checkbox"/> Solving Equations Board Game</li> <li><input type="checkbox"/> Solving Equations Coloring Worksheets</li> <li><input type="checkbox"/> Solving Equations Notes and Practice</li> <li><input type="checkbox"/> Solving Equations Puzzle</li> <li><input type="checkbox"/> Solving Inequalities Editable Coloring Worksheet</li> <li><input type="checkbox"/> Solving Inequalities Coloring Worksheet</li> </ul>
(6) Writing Inequalities	<ul style="list-style-type: none"> <li>• Four Warm Ups</li> <li>• Writing Inequalities Key Words Graphic Organizer</li> <li>• Writing Inequalities Notes (2 pages)</li> <li>• Writing Inequalities Practice (2 pages)</li> </ul>	
(7) Solving Inequalities	<ul style="list-style-type: none"> <li>• Four Warm Ups</li> <li>• Solving Inequalities Notes</li> <li>• Flip Flop Inequalities Notes</li> <li>• Flip Flop Inequalities Fold and Flip Notes</li> <li>• Solving Inequalities Practice</li> <li>• Writing &amp; Solving Inequalities Practice</li> <li>• Writing &amp; Solving Inequalities Quiz</li> </ul>	
(8) Graphing Solutions to Inequalities	<ul style="list-style-type: none"> <li>• Four Warm Ups</li> <li>• Graphing Solutions to Inequalities Notes</li> <li>• Graphing Solutions to Inequalities {Number Line Practice}</li> <li>• Interpreting Solutions to Inequalities from Number Lines</li> </ul>	

# Unit 3 : Ratios, Rates, Percent and Proportions

## Curriculum and Activities Pairing

Lesson	Curriculum Resources	Activities
(1) Represent & Solve Proportional Relationships	<ul style="list-style-type: none"> <li>• Six Warm Ups</li> <li>• Proportional Relationships Notes</li> <li>• Solving Proportions with Equations Fold and Flip Notes</li> <li>• Proportional Relationships Guided Practice</li> <li>• Proportional Relationships Practice (2 pages)</li> <li>• Proportional Relationships Writing and Solving Practice</li> <li>• Proportional Relationships in the Real World</li> </ul>	<ul style="list-style-type: none"> <li><input type="checkbox"/> 7<sup>th</sup> Grade Ratios and Proportional Reasoning Review Booklet</li> <li><input type="checkbox"/> Fractional Unit Rate Reciprocal Learning Exercises</li> <li><input type="checkbox"/> Halloween Ratios and Proportions Stations</li> <li><input type="checkbox"/> Holiday Logic and Percents Activities</li> <li><input type="checkbox"/> March No Prep Percents Packet</li> <li><input type="checkbox"/> Percent and Unit Rate Coloring Worksheet</li> <li><input type="checkbox"/> Percent Change Coloring Worksheet</li> <li><input type="checkbox"/> Percent Cube Activity</li> <li><input type="checkbox"/> Percent Discount, Taxes and Tips Coloring Page</li> <li><input type="checkbox"/> Percent of a Number EDITABLE Coloring Worksheet</li> <li><input type="checkbox"/> Percent of a Number Coloring Worksheet</li> <li><input type="checkbox"/> Percent of a Number Guided Practice</li> <li><input type="checkbox"/> Percent of a Number Pairs Check Coloring</li> <li><input type="checkbox"/> Percent of a Number Holiday Shopping Madness Project</li> <li><input type="checkbox"/> Percent of a Number Puzzle</li> <li><input type="checkbox"/> Percent of a Number Restaurant Activity</li> <li><input type="checkbox"/> Percent Station Activity</li> <li><input type="checkbox"/> Percent Task Cards</li> <li><input type="checkbox"/> Percents Discounts, Taxes, Tips Board Game</li> <li><input type="checkbox"/> Percents Practice and Activity</li> <li><input type="checkbox"/> Percents Shopping Activity</li> <li><input type="checkbox"/> Percents Spiral Review</li> <li><input type="checkbox"/> Percents Stations</li> <li><input type="checkbox"/> Percents Taxes Tips and Discounts Activity</li> <li><input type="checkbox"/> Ratios and Proportional Reasoning Task Cards</li> <li><input type="checkbox"/> Ratios and Proportions Mini Book</li> <li><input type="checkbox"/> Ratios and Proportions Stations</li> <li><input type="checkbox"/> Scale and Proportions Activity</li> <li><input type="checkbox"/> Scale and Similar Figures Coloring Worksheet</li> <li><input type="checkbox"/> Unit Rate Coloring Page</li> <li><input type="checkbox"/> Unit Rate Pairs Check</li> </ul>
(2) Identify and Compute Unit Rates	<ul style="list-style-type: none"> <li>• Four Warm Ups</li> <li>• Unit Rate Notes (2 pages)</li> <li>• Unit Rate from Tables, Graphs, Equations and Real World Situations Fold and Flip Notes</li> <li>• Unit Rate Practice (2 pages)</li> <li>• Unit Rate Matching Activity (2 pages)</li> </ul>	
(3) Multi-Step Percent Problems	<ul style="list-style-type: none"> <li>• Four Warm Ups</li> <li>• Discount, Taxes and Tips Notes</li> <li>• Equivalent Expressions and Percent Change Notes</li> <li>• Tips, Taxes and Discounts Fold and Flip Notes</li> <li>• Simple Interest Notes</li> <li>• Multi-Step Percent Problems Practice</li> <li>• Taxes and Tips Practice</li> <li>• Discounts Practice</li> <li>• Simple Interest Practice</li> <li>• Error Analysis Cards {Multi-Step Percents}</li> </ul>	
(4) Scale Drawings	<ul style="list-style-type: none"> <li>• Four Warm Ups</li> <li>• Scale Drawings Notes (2 pages)</li> <li>• Scale Terms Fold and Flip Notes</li> <li>• Scale Drawings Practice (2 pages)</li> <li>• Scale Practice</li> <li>• Similar Figures Practice</li> </ul>	

# Unit 4 : Geometry

## Curriculum and Activities Pairing

Lesson	Curriculum Resources	Activities
(1) Angle Relationships	<ul style="list-style-type: none"> <li>• Four Warm Ups</li> <li>• Angle Notes</li> <li>• Protractor notes</li> <li>• Explore Angle Relationships with Practice Worksheet</li> <li>• Angle Relationships Notes</li> <li>• Unknown Angle Notes (3 pages)</li> <li>• Mathville Math : Angle Practice (3 pages)</li> <li>• Angle and Angle Relationships Practice</li> <li>• Missing Angle Relationships Practice</li> </ul>	<ul style="list-style-type: none"> <li><input type="checkbox"/> 7<sup>th</sup> Grade Geometry Review Booklet</li> <li><input type="checkbox"/> Angles and Circles Mini Book</li> <li><input type="checkbox"/> Constructing Triangles Mini Book</li> <li><input type="checkbox"/> Geometry Skills Assessment</li> <li><input type="checkbox"/> Missing Angles Worksheet</li> <li><input type="checkbox"/> Parallel Lines Cut By A Transversal Coloring Page</li> <li><input type="checkbox"/> Parallel Lines Cut By A Transversal Notes and Practice</li> <li><input type="checkbox"/> Protractors Drawing and Measuring Angles Lesson Plan</li> </ul>
(2) Constructing Triangles	<ul style="list-style-type: none"> <li>• Four Warm Ups</li> <li>• Constructing Triangles Exploration Activity (3 pages)</li> <li>• Constructing Triangles Notes (2 pages)</li> <li>• Constructing Triangles Given Three Side Lengths Guided Practice</li> <li>• Constructing Triangles Given Angle Measurements Guided Practice</li> <li>• Constructing Triangles Given Two Sides and an Angle Guided Practice</li> <li>• Constructing Triangles Given Two Angles and a Side Guided Practice</li> <li>• Constructing Triangles Fold and Flip Notes</li> <li>• Constructing Triangles Given Three Side Lengths Practice</li> <li>• Constructing Triangles Given Angle Measurements Practice</li> <li>• Constructing Triangles Given Two Sides and an Angle Practice</li> <li>• Constructing Triangles Given Two Angles and a Side Practice</li> <li>• Angles and Triangles Quiz (2 pages)</li> </ul>	

# Unit 4 : Geometry

## Curriculum and Activities Pairing

Lesson	Curriculum Resources	Activities
(3) Area and Circumference of Circles	<ul style="list-style-type: none"> <li>• Four Warm Ups</li> <li>• Area and Circumference of Circles Notes (2 pages)</li> <li>• Area and Circumference of Circles Fold and Flip Notes</li> <li>• Area and Circumference of Circles Practice</li> <li>• Area and Circumference of Circles Applications (2 pages)</li> </ul>	<ul style="list-style-type: none"> <li><input type="checkbox"/> Area Stations</li> <li><input type="checkbox"/> Area, Circumference and Volume Coloring Worksheet</li> <li><input type="checkbox"/> Composite Area Activity</li> <li><input type="checkbox"/> Composite Area Coloring Worksheet</li> <li><input type="checkbox"/> Composite Area Stations</li> <li><input type="checkbox"/> Pi Day Cylinders Activity</li> <li><input type="checkbox"/> Volume Notes and Practice</li> <li><input type="checkbox"/> Volume of Cylinders Coloring Page</li> </ul>
(4) Cross Sections	>> Quick mini-lesson << <ul style="list-style-type: none"> <li>• Two Warm Ups</li> <li>• Cross-Sections Notes</li> <li>• Cross-Sections Exploration</li> <li>• Cross-Sections Practice (2 pages)</li> <li>• Circles and Cross-Sections Quiz</li> </ul>	
(5) Surface Area	<ul style="list-style-type: none"> <li>• Four Warm Ups</li> <li>• Surface Area Notes &amp; Guided Practice – Right Rectangular Prisms (2 pages)</li> <li>• Surface Area Notes – Triangular Prisms</li> <li>• Surface Area Practice – Right Rectangular Prisms (2 pages)</li> <li>• Surface Area Practice – Triangular Prisms</li> </ul>	
(6) Volume	<ul style="list-style-type: none"> <li>• Four Warm Ups</li> <li>• Volume Notes and Practice (4 pages)</li> <li>• Volume and Surface Area Fold and Flip Notes</li> <li>• Volume and Surface Area of Rectangular Prisms Matching Activity</li> <li>• Volume and Surface Area Quiz</li> </ul>	



# Unit 5 : Analyzing Data

## Curriculum and Activities Pairing

Lesson	Curriculum Resources	Activities
(1) Random Samples	<ul style="list-style-type: none"> <li>• Two Warm Ups</li> <li>• Random Samples Exploration</li> <li>• Random Samples Notes</li> <li>• Random Samples Practice (2 pages)</li> </ul>	<ul style="list-style-type: none"> <li><input type="checkbox"/> Analyzing Data Mini Book</li> <li><input type="checkbox"/> Circle Graph Unit Resources (extra resource)</li> <li><input type="checkbox"/> Measures of Central Tendency Coloring</li> <li><input type="checkbox"/> Surveys and Samples Project</li> <li><input type="checkbox"/> Surveys PowerPoint Review Game</li> </ul>
(2) Measures of Center	<ul style="list-style-type: none"> <li>• Two Warm Ups</li> <li>• Measures of Center Notes</li> <li>• Measures of Center Fold and Flip Notes</li> <li>• Finding Mean Scaffolded Practice</li> <li>• Finding Median, Mode and Range Scaffolded Practice</li> <li>• Measures of Center Practice</li> </ul>	
(3) Measures of Variability	<ul style="list-style-type: none"> <li>• Two Warm Ups</li> <li>• Measures of Variability Notes</li> <li>• Measures of Variability Fold and Flip Notes</li> <li>• Measures of Variability Practice Worksheet</li> <li>• Measures of Variability Real World Practice Worksheet</li> </ul>	
(4) Visual Overlap	<ul style="list-style-type: none"> <li>• Two Warm Ups</li> <li>• Visual Overlap Exploration</li> <li>• Visual Overlap Notes (2 pages)</li> <li>• Mean Absolute Deviation Fold and Flip Notes</li> <li>• Visual Overlap Practice (2 pages)</li> </ul>	

# Unit 6 : Probability

## Curriculum and Activities Pairing

Lesson	Curriculum Resources	Activities
(1) Simple Probability	<ul style="list-style-type: none"> <li>• Four Warm Ups</li> <li>• Understanding Probability Notes</li> <li>• Understanding Probability Fold and Flip Notes</li> <li>• Understanding Probability Sorting Activity</li> <li>• Simple Probability Notes</li> <li>• Theoretical and Experimental Probability Notes</li> <li>• Theoretical and Experimental Partner Activity</li> <li>• Odds vs. Probability Notes</li> <li>• Simple Probability Practice</li> <li>• Simple Probability Spinner Practice</li> <li>• Theoretical Probability Spinner Practice</li> <li>• Theoretical Probability Extra Practice (4 pages)</li> <li>• Experimental and Theoretical Probability Practice (3 pages)</li> </ul>	<ul style="list-style-type: none"> <li><input type="checkbox"/> 7<sup>th</sup> Grade Statistics and Probability Review Booklet</li> <li><input type="checkbox"/> Data, Probability and Graphing with Candy Activity</li> <li><input type="checkbox"/> Independent and Dependent Probability Worksheet</li> <li><input type="checkbox"/> Probability Activity</li> <li><input type="checkbox"/> Probability and Simulations Coloring Page</li> <li><input type="checkbox"/> Probability and Simulations Stations</li> <li><input type="checkbox"/> Probability BINGO</li> <li><input type="checkbox"/> Probability Coloring Worksheet</li> <li><input type="checkbox"/> Probability Mini Book</li> <li><input type="checkbox"/> Probability of Compound Events Notes</li> <li><input type="checkbox"/> Probability Stations Lesson Plan</li> <li><input type="checkbox"/> Probability Coloring Worksheet</li> <li><input type="checkbox"/> Probability Unit Plan (additional resources)</li> </ul>
(2) Compound Probability	<ul style="list-style-type: none"> <li>• Four Warm Ups</li> <li>• Compound Probability Notes (2 pages)</li> <li>• Independent and Dependent Events Sorting Activity</li> <li>• Independent and Dependent Events Fold and Flip Notes</li> <li>• Compound Probability Practice (2 pages)</li> <li>• Tree Diagrams Practice</li> <li>• Constructed Response Practice (2 pages)</li> <li>• Probability Quiz (Two different versions – two pages each)</li> </ul>	
(3) Simulations	<ul style="list-style-type: none"> <li>• Four Warm Ups</li> <li>• Simulations Notes</li> <li>• Simulations Practice Worksheets (4 different resources - 7 different pages)</li> </ul>	