


7th Grade Math Curriculum Bundle # 2

Title		Suggested Dates
Addition & Subtraction of Fractions and Decimals		September 14 – October 2 (14 Days)

Big Idea/Enduring Understanding	Guiding Questions
Addition and subtraction of fractions requires manipulating pieces of the same size.	<ol style="list-style-type: none"> 1. How do you know that the pieces of fractions are the same size? 2. How can you make the pieces of fractions the same size?

The resources included here provide teaching examples and/or meaningful learning experiences to address the District Curriculum. In order to address the TEKS to the proper depth and complexity, teachers are encouraged to use resources to the degree that they are congruent with the TEKS and research-based best practices. Teaching using only the suggested resources does not guarantee student mastery of all standards. Teachers must use professional judgment to select among these and/or other resources to teach the district curriculum.

Knowledge & Skills with Student Expectations	District Specificity/Examples	Suggested Resources (See Note Above)	
<p>7.1 Number, operation, and quantitative reasoning. The student represents and uses numbers in a variety of equivalent forms.</p> <p>7.1B convert between fractions, decimals, whole numbers, and percents mentally, on paper, or with a calculator</p> <p><u>Teacher Note:</u> Emphasis on fraction and decimal operations only. Percents done in bundle 8.</p>	<ul style="list-style-type: none"> • use multiple forms in real world applications • use only positive numbers • Use the following forms of numbers: <ul style="list-style-type: none"> ○ Mixed numbers ○ Proper & Improper fractions ○ Decimals ○ Complex fractions (such as 20.4/100) • use pictorial representation 		<p>PH Textbook Chapter 2. 6a (lab) Chapter 2.6</p> <p>AIRR 7th Grade Activity #31 – 44</p> <p>Kamico 7th Grade “Triple Match” p. 21</p> <p>Region IV Equivalence Lesson</p> <p>Understanding Math Understanding Fractions: Topic 4, Topic 6</p>
<p>7.2 Number, operation, and quantitative reasoning. The student adds, subtracts, multiplies, or divides to solve problems and justify solutions.</p> <p>7.2B use addition, subtraction, multiplication, and division to solve problems involving fractions and decimals</p> <p>Note: Fractions and Decimals addition and subtraction only</p>	<ul style="list-style-type: none"> • use mixed numbers, proper, and improper fractions • use like and unlike denominators • connect to models, use problems that need to include answers as visual models • solve decimal problems with at least 2 digits times 3 digits without technology • extract data from tables (may be in multiple forms) • use multiple forms of numbers in a given problem 	<p>CMP2 Bits and Pieces II Pearson Investigations 2</p> <p>CMP2 Bits and Pieces III Pearson Investigations 1</p>	<p>Kamico 7th Grade Add-Vantage Activity p. 66 I have... Who has? P. 67</p> <p>AIRR 7th Grade Activity #68-81</p>

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<p>7.2 Number, operation, and quantitative reasoning. The student adds, subtracts, multiplies, or divides to solve problems and justify solutions.</p> <p>7.2F select and use appropriate operations to solve problems and justify the selections</p> <p>Note: Fractions and Decimals</p>	<ul style="list-style-type: none"> • recognize correct steps in order to solve problem • choose correct expression/equation for a problem situation 		<p>Kamico 7th Grade Comparison Shopping Activity p. 137</p> <p>AIRR 7th Grade Activity #108-111</p>
<p>7.2 Number, operation, and quantitative reasoning. The student adds, subtracts, multiplies, or divides to solve problems and justify solutions.</p> <p>7.2G determine the reasonableness of a solution to a problem</p> <p>Note: Fractions and Decimals</p>	<ul style="list-style-type: none"> • solve problems and identify answer in terms of “between” ranges of data (ex. between 5.2 and 6.3) • use mathematical reasoning to justify solution • use of estimation throughout process multi-step problems 		<p>Kamico 7th Grade Tis the Season to Reason p.144</p> <p>AIRR 7th Grade Activity #112-115</p>