



Grade 4 Support

This guidance identifies key *Investigations* content from roughly the last third of a grade, which may not have been covered sufficiently due to the disruption at the end of the 2019–2020 school year.

To help cover this unfinished learning, the charts provide suggestions for where to include specific *Investigations* resources (Classroom Routines/Ten-Minute Math; Games; Math Words and Ideas; Expanded Differentiation Activities) as part of work in the next grade this school year, 2020–2021.

Grade 3 units 6, 7, and 8 may not have been covered in Spring, 2020. Resources from **six investigations** in Grade 3 are recommended to include in the Grade 4 units below, as needed.



<p>Grade 4 Unit</p>	<p>Key Grade 3 Content that Supports Grade 4</p>	<p>Resources to teach Key Grade 3 Content at Grade 4</p>
<p>Unit 5 <i>Large Numbers and Landmarks</i></p> <p>Number and Operations: Addition, Subtraction, and the Number System</p> <p>Main Math Ideas</p> <ol style="list-style-type: none"> 1. Extending knowledge of the number system to 1,000,000 2. Adding and Subtracting fluently 3. Describing, analyzing, and comparing strategies for adding and subtracting whole numbers 	<p>Grade 3 Unit 7 Investigation 1</p> <p><i>Numbers in the Hundreds</i></p> <p>Problems that involve adding or subtracting multiples of 10 and 100 to 3-digit numbers</p> <p>prepare students to add and subtract larger numbers using place-value strategies in Grade 4 Unit 5.</p>	<p>Grade 3 Unit 7 Investigation 1</p> <p>Math Words and Ideas</p> <ul style="list-style-type: none"> • <i>Tools to Represent Subtraction Problems</i> • <i>Adding and Subtracting Tens and Hundreds</i> <p>Games</p> <ul style="list-style-type: none"> • <i>Capture from 300 to 600</i> <p>Expanded Differentiation Activities</p> <ul style="list-style-type: none"> • <i>Intervention, Practice</i>
	<p>Grade 3 Unit 7 Investigation 2</p> <p><i>Addition Strategies</i></p> <p>Using different strategies to add 3-digit numbers fluently within 1,000 prepares students to analyze and compare strategies that can be used to add numbers greater than 1,000 in Grade 4 Unit 5.</p>	<p>Grade 3 Unit 7 Investigation 2</p> <p>Math Words and Ideas</p> <ul style="list-style-type: none"> • <i>Tools to Represent Addition Problems</i> • <i>Addition Strategies: Changing the Numbers</i> • <i>Addition Strategies: Adding by Place</i> • <i>Addition Strategies: Adding One Number in Parts</i> <p>Games</p> <ul style="list-style-type: none"> • <i>Collections Match</i> <p>Expanded Differentiation Activities</p> <ul style="list-style-type: none"> • <i>Practice, Extension</i>



<p>Grade 4 Unit</p>	<p>Key Grade 3 Content that Supports Grade 4</p>	<p>Resources to teach Key Grade 3 Content at Grade 4</p>
	<p>Grade 3 Unit 7 Investigation 3 <i>Subtraction</i></p> <p>Using different strategies to subtract 3-digit numbers fluently within 1,000 prepares students to analyze and compare strategies that can be used to subtract numbers greater than 1,000 in Grade 4 Unit 5.</p>	<p>Grade 3 Unit 7 Investigation 3</p> <p>Ten-Minute Math</p> <ul style="list-style-type: none"> • <i>Practicing Place Value</i> <p>Math Words and Ideas</p> <ul style="list-style-type: none"> • <i>Subtraction Strategies: Adding Up and Subtracting Back</i> • <i>Subtraction Situations</i> • <i>Subtraction Strategies: Subtracting One Number in Parts</i> <p>Expanded Differentiation Activities</p> <ul style="list-style-type: none"> • <i>Intervention, Extension</i>
<p>Unit 6 <i>Fraction Cards and Decimal Grids</i></p> <p>Rational Numbers: Fractions and Decimals</p> <p>Main Math Ideas</p> <ol style="list-style-type: none"> 1. Understanding the meaning of fractions and decimals 2. Comparing the values of fractions and decimals 3. Computing with rational numbers 	<p>Grade 3 Unit 6 Investigation 1 <i>Sharing Brownies</i></p> <p>Using manipulatives, area models, and number lines to develop an understanding of unit fractions and other fractional parts of a whole supports work with identifying fractional parts in Grade 4 Unit 6.</p>	<p>Grade 3 Unit 6 Investigation 1</p> <p>Math Words and Ideas</p> <ul style="list-style-type: none"> • <i>Equivalent Fractions</i> • <i>Fractions on a Number Line</i> • <i>Quantities Greater than One</i> <p>Expanded Differentiation Activities</p> <ul style="list-style-type: none"> • <i>Intervention, Practice, Extension</i>



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	<p>Grade 3 Unit 6 Investigation 2</p> <p><i>Many Ways to Make a Share</i></p> <p>Work with fraction equivalents and comparing fractions provides a foundation for comparing fractions and decimals and adding and subtracting with fractions in Grade 4 Unit 6.</p>	<p>Grade 3 Unit 6 Investigation 2</p> <p>Games</p> <ul style="list-style-type: none"> • <i>Fraction Cookie</i> • <i>Adding Fraction Cookies (Variation 1)</i> • <i>Adding and Subtracting Fraction Cookies (Variation 2)</i> <p>Math Words and Ideas</p> <ul style="list-style-type: none"> • <i>Comparing Fractions with the Same Numerator or Denominator</i> <p>Expanded Differentiation Activities</p> <ul style="list-style-type: none"> • <i>Intervention, Practice, Extension</i>