

# 2017-2018 Pacing Guide and Alignment Map

## Grade 5 (2<sup>nd</sup> Quarter)

Start Date: November 14, 2017

End Date: January 29, 2017

Days	Standards	Chapters 4-7	Vocabulary	Assessment Opportunities	Resources
Chapter 4 10 Days*	5 NBT.2 5 NBT.7	<p><b>Multiply Decimals</b></p> <p><u>Essential Question</u></p> <p>How can you solve decimal multiplication problems?</p>	<ul style="list-style-type: none"> <li>• Decimal</li> <li>• Expanded form</li> <li>• Hundredths</li> <li>• Multiplication</li> <li>• Ones</li> <li>• Pattern</li> <li>• Place Value</li> <li>• Product</li> <li>• Tenths</li> <li>• Thousandths</li> </ul>	<ul style="list-style-type: none"> <li>• Show What You Know</li> <li>• Mid-Chapter Checkpoint</li> <li>• Chapter Review/Test</li> <li>• Chapter Test</li> <li>• Chapter Performance Task</li> <li>• Critical Area Performance Task</li> </ul>	<p><b>Alignment</b></p> <ul style="list-style-type: none"> <li>• EngageNY Modules 1</li> <li>• EngageNY Modules 2</li> <li>• EngageNY Modules 4</li> <li>• Released Questions by Chapter</li> </ul> <p><b>Websites</b></p> <ul style="list-style-type: none"> <li>• Thinkcentral.com</li> <li>• Engageny.org</li> </ul>
Chapter 5 9 Days*	5.NBT.6 5.NF.3	<p><b>Divide Whole Numbers</b></p> <p><u>Essential Question</u></p> <p>How can you solve decimal division problems?</p>	<ul style="list-style-type: none"> <li>• Compatible numbers</li> <li>• Decimal</li> <li>• Decimal Point</li> <li>• Dividend</li> <li>• Division</li> <li>• Divison</li> <li>• Estimate</li> <li>• Hundredth</li> <li>• Quotient</li> <li>• Tenth</li> </ul>	<ul style="list-style-type: none"> <li>• Show What You Know</li> <li>• Mid-Chapter Checkpoint</li> <li>• Chapter Review/Test</li> <li>• Chapter Test</li> <li>• Chapter Performance Task</li> <li>• Critical Area Performance Task</li> </ul>	<p><b>Alignment</b></p> <ul style="list-style-type: none"> <li>• EngageNY Module 2</li> <li>• EngageNY Module 4</li> <li>• Released Questions by Chapter</li> </ul> <p><b>Websites</b></p> <ul style="list-style-type: none"> <li>• Thinkcentral.com</li> <li>• Engageny.org</li> </ul>

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Days	Standards	Chapters 1-3	Vocabulary	Assessment Opportunities	Resources
Chapter 6 12 Days*	5.NF.1 5.NF.2	<p style="text-align: center;"><b>Add and Subtract Fractions with Unlike Denominators</b></p> <p style="text-align: center;"><u>Essential Question</u></p> <p>How can you add and subtract decimals?</p>	<ul style="list-style-type: none"> <li>• Common denominator</li> <li>• Common Multiple</li> <li>• Equivalent Fractions</li> <li>• Mixed Number</li> <li>• Simplest Form</li> </ul>	<ul style="list-style-type: none"> <li>• Show What You Know</li> <li>• Mid-Chapter Checkpoint</li> <li>• Chapter Review/Test</li> <li>• Chapter Test</li> <li>• Chapter Performance Task</li> <li>• Critical Area Performance Task</li> </ul>	<p style="text-align: center;"><b>Alignment</b></p> <ul style="list-style-type: none"> <li>• EngageNY Module 3</li> <li>• Released Questions by Chapter</li> </ul> <p style="text-align: center;"><b>Websites</b></p> <ul style="list-style-type: none"> <li>• Thinkcentral.com</li> <li>• Engageny.org</li> </ul>
Chapter 7 11 Days*	5.NF.4 5.NF.5 5.NF.6	<p style="text-align: center;"><b>Multiply Fractions</b></p> <p style="text-align: center;"><u>Essential Question</u></p> <p>How can you multiply fractions?</p>	<ul style="list-style-type: none"> <li>• Denominator</li> <li>• Equivalent Fractions</li> <li>• Mixed Numbers</li> <li>• Numerator</li> <li>• Product</li> <li>• Simplest Form</li> </ul>	<ul style="list-style-type: none"> <li>• Show What You Know</li> <li>• Mid-Chapter Checkpoint</li> <li>• Chapter Review/Test</li> <li>• Chapter Test</li> <li>• Chapter Performance Task</li> <li>• Critical Area Performance Task</li> </ul>	<p style="text-align: center;"><b>Alignment</b></p> <ul style="list-style-type: none"> <li>• EngageNY Module 4</li> <li>• EngageNY Modules 5</li> <li>• Released Questions by Chapter</li> </ul> <p style="text-align: center;"><b>Websites</b></p> <ul style="list-style-type: none"> <li>• Thinkcentral.com</li> <li>• Engageny.org</li> </ul>

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Cluster Emphasis	Domain	Cluster	Standard
Major Clusters	Number and Operations in Base Ten	<i>Understand the place value system.</i>	5.NBT.1
			5.NBT.2
			5.NBT.3
		<i>Perform operations with multi-digit whole numbers and with decimals to hundredths.</i>	5.NBT.4
			5.NBT.5 ✓
			5.NBT.6 ✓
			5.NBT.7 ✓
	Number and Operations—Fractions	<i>Use equivalent fractions as a strategy to add and subtract fractions.</i>	5.NF.1
			5.NF.2 ✓
		<i>Apply and extend previous understandings of multiplication and division to multiply and divide fractions.</i>	5.NF.3
			5.NF.4
			5.NF.5
	Measurement and Data	<i>Geometric measurement: understand concepts of volume and relate volume to multiplication and to addition.</i>	5.NF.6 ✓
			5.NF.7 ✓
5.MD.3			
Supporting Clusters	Measurement and Data	<i>Convert like measurement units within a given measurement system.</i>	5.MD.4
		<i>Represent and interpret data.</i>	5.MD.5
Additional Clusters	Operations and Algebraic Thinking	<i>Write and interpret numerical expressions.</i>	5.MD.1
			5.MD.2
		<i>Analyze patterns and relationships.</i>	5.OA.1
	Geometry	<i>Graph points on the coordinate plane to solve.</i>	5.OA.2
			5.OA.3 <i>Post</i>
			5.G.1 <i>Post</i>
<i>Classify two-dimensional figures into categories based on their properties.</i>	5.G.2 <i>Post</i>		
	5.G.3		
			5.G.4

Cluster Emphasis	Recommended Instructional Time	Approximate Number of Test Points
<i>Major</i>	65–75%	70–80%
<i>Supporting</i>	15–25%	10–20%
<i>Additional</i>	5–15%	5–10%

Quarter

✓ = Standards recommended for greater emphasis

*Post* = Standards recommended for instruction in May-June

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***Grade 5 (2<sup>nd</sup> Quarter)***



# Mathematical Practice

- 1. Make sense of problems and persevere in solving them.**
- 2. Reason abstractly and quantitatively.**
- 3. Construct viable arguments and critique the reasoning of others.**
- 4. Model with mathematics.**
- 5. Use appropriate tools strategically.**
- 6. Attend to precision.**
- 7. Look for and make use of structure.**
- 8. Look for and express regularity in repeated reasoning.**