

	August	September	October
<b>Investigations Unit/Tentative Dates</b>	Unit 1 Begin August 11 Number Puzzles and Multiple Towers	Continue Unit 1 End September 19 Number Puzzles and Multiple Towers  Unit 2 Begin September 22 Prisms and Pyramids (Investigations 1 and 2 only)	Continue Unit 2 End October 10 Prisms and Pyramids (Investigations 1 and 2 only)
<b>Common Core Identifier</b>	OA1, <b>NBT5, NBT6</b>	OA1, <b>NBT5, NBT6, MD3a, MD3b, MD4, MD5a, MD5b, MD5c</b>	OA1, <b>MD3, MD3a, MD3b, MD4, MD5a, MD5b, MD5c</b>
<b>Computation Practice/ Number Talk topics (Use District Number Talk document)</b>	<u>Addition:</u> 3 digit + 4 digit 4 digit + 4 digit + multiples of 100 & 1000 to any number <u>Multiplication</u> 1 digit x 3 digit 1 digit x 4 digit 2 digit x 2 digit <u>Subtraction:</u> - multiple of 100 from any number 3 digit – 3 digit <u>Division</u> 3 & 4 digit ÷ 1 digit	<u>Addition:</u> 4 digit + 4 digit + multiples 1000 to any number <u>Multiplication:</u> 1 digit x 4 digit 2 digit x 2 digit Automaticity with 1's-10's <u>Subtraction:</u> - 1000 from any number 4 digit – 3 digit 4 digit – 4 digit <u>Division</u> 3 & 4 digits ÷ 1 digit 3 digit ÷ multiples of 10 & landmark numbers	<u>Addition:</u> 4 digit + 5 digit + 10,000 to any number Fractions with like denominators <u>Multiplication:</u> 1 digit x 4 digit 2 digit x 2 digit Automaticity with 1's-10's <u>Subtraction:</u> -multiple of 1000 from any number 4 digit – 4 digit Fractions with like denominators <u>Division:</u> 3 & 4 digits ÷ 1 digit 3 digit ÷ multiples of 10 & landmark numbers
<b>IXL lessons</b>	Skill Review 3 <sup>rd</sup> - E.3, E.5, I.1, I.2, I.3, I.4 4 <sup>th</sup> - A.1, A.6, D.1, D.2	Skill Review 3 <sup>rd</sup> - C.6, C.9, C.14, D.7, E.5 4 <sup>th</sup> - D.3, D.4	Skill Review 5 <sup>th</sup> - F.1, F.2, F.3, Q.1
<b>Additional Information</b>	<ul style="list-style-type: none"> <li>Use IXL to evaluate fluency with multiplication facts</li> <li>Need tutorials for teachers on Order of Operations</li> <li>Use future 10-Minute Math and IXL to reinforce Order of Operations</li> <li>Administer OGAP Pre-Assessment for Multiplicative Reasoning</li> </ul> <b>Suggested OGAP Prompts: E4, E10, E38, EG3, EG12</b>	<ul style="list-style-type: none"> <li>Introduce converting measurements within a system (explicitly taught in unit 6)</li> <li>Relate volume to properties of multiplication</li> </ul> Connect volume in science lessons throughout the year	Skip unit 3, but possibly use as intervention for students needing subtraction work

	October	November	December
<b>Investigations Unit/Tentative Dates</b>	Unit 4 Begin October 14 What's that Portion?	Continue Unit 4 What's that Portion?	Continue Unit 4 End December 19 What's that Portion?
<b>Common Core Identifier</b>	NF1, NF2, NF4a, NF4b, NF5a, NF5b, NF6, NF7a, NF7b, NF7c	NF1, NF2, NF4a, NF4b, NF5a, NF5b, NF6, NF7a, NF7b, NF7c	NF1, NF2, NF4a, NF4b, NF5a, NF5b, NF6, NF7a, NF7b, NF7c
<b>Computation Practice/ Number Talk topics (Use District Number Talk document)</b>	<p><u>Addition:</u> 4 digit + 5 digit + 10,000 to any numbers Fractions with like denominators</p> <p><u>Multiplication:</u> 1 digit x 4 digit  2 digit x 2 digit Automaticity with 1's-10's</p> <p><u>Subtraction:</u> -multiple of 1000 from any number 4 digit – 4 digit Fractions with like denominators</p> <p><u>Division:</u> 3 &amp; 4 digits ÷ 1 digit 3 digit ÷ multiples of 10 &amp; landmark numbers</p>	<p><u>Addition:</u> 5 digit + 5 digit + 10,000 to any number Fractions with like denominators</p> <p><u>Multiplication:</u> 1 digit x 4 digit  2 digit x 2 digit Automaticity with 1's-10's</p> <p><u>Subtraction:</u> -multiple of 1000 from any number 4 digit – 4 digit Fractions with like denominator</p> <p><u>Division:</u> 3 &amp; 4 digits ÷ 1 digit 3 digit ÷ multiples of 10 &amp; landmark numbers</p>	<p><u>Addition:</u> 5 digit + 5 digit + multiple of 10,000 to any number Fractions with unlike Denominators</p> <p><u>Multiplication:</u>  1 digit x 4 digit 2 digit x 2 digit Automaticity with 1's-10's</p> <p><u>Subtraction:</u> 4 digit – 4 digit Fractions with unlike Denominators</p> <p><u>Division:</u> 3 &amp; 4 digits ÷ 1 digit 3 digit ÷ multiples of 10 &amp; landmark numbers</p>
<b>IXL Lessons</b>	Skill Review 5 <sup>th</sup> – B.23, B.24, B.25, L.1, L.4	Skill Review 5 <sup>th</sup> - M.1, M.2, M.3, Q.4	Skill Review 5 <sup>th</sup> – M.4, M.5, M.6
<b>Additional Information</b>	<ul style="list-style-type: none"> <li>• Use all models (area, set, linear)</li> <li>• Teach all Investigations to build foundations for fractions</li> <li>• Need to supplement subtraction of fractions and real-world problems – possibly use OGAP in the future</li> <li>• Possibly use <a href="http://www.thinkingblocks.com">www.thinkingblocks.com</a></li> </ul>		

	January	February	March
<b>Investigations Unit/Tentative Dates</b>	Unit 5 January 5-23 Measuring Polygons (Investigation 1 skip 1.5 and 1.6. Teach Investigation 2 as is, and skip Investigation 3)  Unit 6 Begin January 26 Decimals on Grids and Number Lines	Continue Unit 6 Decimals on Grids and Number Lines	Continue Unit 6 End March 13 Decimals on Grids and Number Lines
<b>Common Core Identifier</b>	G3, G4, OA1, <b>NBT1, NBT2, NBT3a, NBT3b, NBT4, NBT5, NBT6, NBT7, NF3</b> , MD1	OA1, <b>NBT1, NBT2, NBT3a, NBT3b, NBT4, NBT5, *NBT6, NBT7, NF3</b> , MD1	OA1, <b>NBT1, NBT2, NBT3a, NBT3b, NBT4, NBT5, *NBT6, NBT7, NF3</b> , MD1
<b>Computation Practice/ Number Talk topics (Use District Number Talk document)</b>	<u>Addition:</u> 5 digit + 6 digit Fractions with unlike denominators <u>Multiplication:</u> 2 digit x 2 digit 2 digit x 3 digit Automaticity with 1's-10's <u>Division:</u> 3 digit ÷ multiples of 10 & landmark numbers 3 & 4 digits ÷ 2 digits  <u>Subtraction:</u> 5 digit – 5 digit Fractions with unlike denominators	<u>Addition:</u> 6 digit + 6 digit Fractions with unlike denominators <u>Multiplication:</u> 2 digit x 2 digit 2 digit x 3 digit Automaticity with 1's-10's <u>Division:</u> 3 & 4 digits ÷ 2 digits  <u>Subtraction:</u> 6 digit – 6 digit Fractions with unlike denominators	<u>Addition:</u> 7 digit + 7 digit Fractions with unlike denominators <u>Multiplication:</u> 2 digit x 2 digit 2 digit x 3 digit Automaticity with 1's-10's <u>Division:</u> 3 & 4 digits ÷ 2 digits  <u>Subtraction:</u> 7 digit – 7 digit Fractions with unlike denominators
<b>IXL Lessons</b>	Skill Review 5 <sup>th</sup> – N.1, N.2, N.4 N.5		
<b>Additional Information</b>	<ul style="list-style-type: none"> <li>• Possibly use Unit 5 1.5 and 1.6 lessons as enrichment activities</li> </ul> Use area and perimeter lessons in Investigation 2 to reinforce multiplication standards and linear conversions	<ul style="list-style-type: none"> <li>• Start with a rounding review with whole numbers</li> <li>• 10-Minute Math is a must for Order of Operations</li> <li>• Parent education opportunity to avoid the decimal algorithm</li> </ul>	

	March	April	May
<b>Investigations Unit/Tentative Dates</b>	Unit 7 Begin March 16 How Many People? How Many Teams? (skip Investigation 4)	Continue Unit 7 End April 10 How Many People? How Many Teams? (skip Investigation 4)  Unit 8 April 13-May 1 Growth Patterns	Unit 9 May 4-15 How Long Can You Stand on One Foot? (Investigation 1 only)
<b>Common Core Identifier</b>	<b>NBT5, NBT6</b>	<b>NBT5, NBT6</b> , OA1, OA2, OA3, G1, G2	MD2, <b>NF6</b>
<b>Computation Practice/ Number Talk topics (Use District Number Talk document)</b>	<u>Addition:</u> 7 digit + 7 digit Fractions with unlike denominators <u>Multiplication:</u> 2 digit x 2 digit 2 digit x 3 digit Automaticity with 1's-10's <u>Division:</u> 3 & 4 digits ÷ 2 digits <u>Subtraction:</u> 7 digit – 7 digit Fractions with unlike denominators	<u>Addition:</u> 7 digit + 7 digit Fractions with unlike denominators <u>Multiplication:</u> 2 digit x 2 digit 2 digit x 3 digit Automaticity with 1's-10's <u>Division:</u> 3 & 4 digits ÷ 2 digits <u>Subtraction:</u> 7 digit – 7 digit Fractions with unlike denominators	<u>Addition:</u> 7 digit + 7 digit Fractions with unlike denominators <u>Multiplication:</u> 2 digit x 2 digit 2 digit x 3 digit Automaticity with 1's-10's <u>Division:</u> 3 & 4 digits ÷ 2 digits <u>Subtraction:</u> 7 digit – 7 digit Fractions with unlike denominators
<b>IXL Lessons</b>			
<b>Additional Information</b>		<ul style="list-style-type: none"> <li>• Test Prep 4/13-4/17 along with Unit 8</li> <li>• Tentative testing dates 4/20-4/24 To completely cover G1, include how to label coordinate pairs and vocabulary (origin, x-axis, y-axis)</li> </ul>	