

Entering Grade 5 Summer Math

In Grade 4 You Learned To:

Operations and Algebraic Thinking

- Use the four operations with whole numbers to solve problems.
- Gain familiarity with factors and multiples.
- Generate and analyze patterns.

Number and Operations in Base Ten

- Generalize place value understanding for multi-digit whole numbers.
- Use place value understanding and properties of operations to perform multi-digit arithmetic.

Number and Operations—Fractions

- Extend understanding of fraction equivalence and ordering.
- Build fractions from unit fractions by applying and extending previous understandings of operations on whole numbers.
- Understand decimal notation for fractions, and compare decimal fractions.

Measurement and Data

- Solve problems involving measurement and conversion of measurements from a larger unit to a smaller unit.
- Represent and interpret data.
- Geometric measurement: understand concepts of angle and measure angles.

Geometry

- Draw and identify lines and angles, and classify shapes by properties of their lines and angles.

Monday 6/20	Tuesday	Wednesday	Thursday	Friday
<p>Solve.</p> <p>41 x 58 =</p> <p>58 x 36 =</p> <p>75 x 23 =</p> <p>69 x 34 =</p> <p>987 x 25 =</p> <p>369 x 75 =</p> <p>157 x 74 =</p> <p>287 x 65 =</p>	<p>Name the values of the given digits in the numbers below.</p> <p>The 9s in 299</p> <p>The 5s in 4,557</p> <p>The 3s in 3300</p> <p>The 8s in 8856</p> <p>The 1s in 5111</p> <p>The 2s in 8220</p>	<p>List the first 12 multiples of the following:</p> <p>2</p> <p>_____</p> <p>_____</p> <p>3</p> <p>_____</p> <p>_____</p> <p>4</p> <p>_____</p> <p>_____</p> <p>5</p> <p>_____</p> <p>_____</p> <p>6</p> <p>_____</p> <p>_____</p>	<p>Use mental math to find each product.</p> <p>537 x 10</p> <p>6637 x 1000</p> <p>925 x 10</p> <p>567 x 100</p> <p>Use mental math to find each dividend.</p> <p>760 / 10</p> <p>3,800 / 100</p> <p>450 / 10</p> <p>45,000 / 1000</p>	<p>Word Problem</p> <p>Three students eat lunch five days in a row. They spend a total of \$60. The students spend the same amount of money for each lunch. What is the cost of one lunch?</p>

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Monday 6/27	Tuesday	Wednesday	Thursday	Friday
<p>Solve.</p> <p>256 x 89 =</p> <p>296 x 45 =</p> <p>436 x 54 =</p> <p>123 x 52 =</p> <p>357 x 15 =</p> <p>258 x 84 =</p> <p>148 x 54 =</p> <p>638 x 19 =</p> <p>269 x 17 =</p> <p>112 x 55 =</p>	<p>Name the values of the given digits in the numbers below.</p> <p>The 9s in 939</p> <p>The 5s in 5,695</p> <p>The 3s in 39,330</p> <p>The 8s in 5,887</p> <p>The 1s in 1,122</p> <p>The 2s in 2210</p>	<p>List the first 12 multiples of the following:</p> <p>7</p> <p>_____</p> <p>_____</p> <p>8</p> <p>_____</p> <p>_____</p> <p>9</p> <p>_____</p> <p>_____</p> <p>10</p> <p>_____</p> <p>_____</p> <p>11</p> <p>_____</p> <p>_____</p> <p>12</p> <p>_____</p> <p>_____</p>	<p>Define:</p> <p>Multiple:</p> <p>Common Multiple:</p> <p>Lowest Common Multiple:</p>	<p>Word Problem.</p> <p>A group of twelve volunteers raises \$144 for three charities. Each charity gets the same amount. How much does each charity get?</p>

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Monday 7/4	Tuesday	Wednesday	Thursday	Friday
<p>Solve.</p> <p>662 x 6 =</p> <p>314 x 4 =</p> <p>523 x 2 =</p> <p>256 x 5 =</p> <p>111 x 7 =</p> <p>374 x 9 =</p> <p>.</p>	<p>Define the following terms.</p> <p>Factor:</p> <p>Common Factor:</p> <p>Greatest Common Factor:</p>	<p>List the factors of the following:</p> <p>42</p> <p>_____</p> <p>24</p> <p>_____</p> <p>36</p> <p>_____</p> <p>56</p> <p>_____</p> <p>12</p> <p>_____</p> <p>8</p> <p>_____</p>	<p>Find the GCF for each set of numbers.</p> <p>42, 24 _____</p> <p>36, 56 _____</p> <p>12, 8 _____</p>	<p>Word problems</p> <p>A school has 300 students and 30 teachers. What is the ratio between the number of teachers and the number of students of the school?</p>


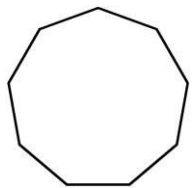
Monday 7/11	Tuesday	Wednesday	Thursday	Friday
<p>Solve. $672 \div 6 =$ $316 \div 4 =$ $528 \div 2 =$ $240 \div 12 =$ $749 \div 7 =$ $333 \div 9 =$. $84 \div 12 =$</p>	<p>Compare the following numbers using <, > or = 157668 [] 214741 130478 [] 273534 843868 [] 658506 227279 [] 227279 279712 [] 507780 616707 [] 616707</p>	<p>List the factors of the following: 40 _____ 18 _____ 36 _____ 56 _____ 30 _____</p>	<p>Find the GCF for each set of numbers. $40, 18$ _____ $36, 56$ _____ $18, 30$ _____</p>	<p>Word Problem. Two frogs hop around a circular track that is 60 inches around. First the larger frog jumps 13 in. and then the smaller frog jumps 11 in. If they take turns jumping, how many inches from the start will they be when they once again are at the same point?</p>

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Monday 7/18	Tuesday	Wednesday	Thursday	Friday
<p>Solve. $342 \div 3 =$ $458 \div 6 =$ $175 \div 4 =$ $629 \div 7 =$ $887 \div 5 =$ $329 \div 8 =$ $257 \div 9 =$ $324 \div 2 =$</p>	<p>Compare the following numbers using <, > or = 234568 [] 213441 246478 [] 277524 843768 [] 634506 225679 [] 222379 279712 [] 509080 616345 [] 613707</p>	<p>Write the standard form and word form of: $100000000 + 20000000 + 3000000 + 900000 + 90000 + 9000 + 30 + 3$ $100000000 + 50000000 + 300000 + 30000 + 2000 + 10 + 9$</p>	<p>Add the following. $82996 + 2846 =$ $65935 + 2726 =$ $40325 + 8283 =$ $69281 + 9690 =$ $45543 + 8073 =$ $12955 + 4934 =$</p>	<p>Word Problem. If it takes a company 4 hours to build 1,300 cell phones, at the same rate it will take the company _____ Hours to build 39,000 cell phones.</p>

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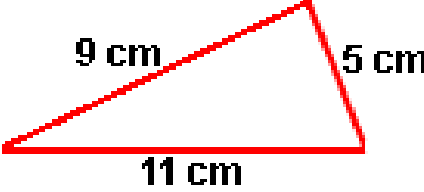
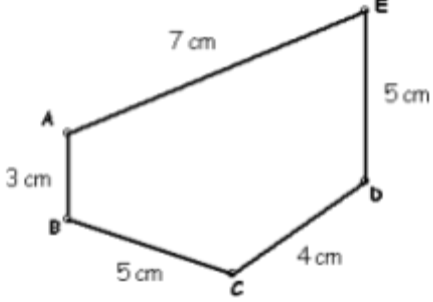
Monday	Tuesday	Wednesday	Thursday	Friday														
<p>Complete the table.</p> <table border="1" style="margin-left: auto; margin-right: auto;"> <thead> <tr> <th style="background-color: #f0e6ff;">In</th> <th style="background-color: #f0e6ff;">Out</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">1</td> <td style="text-align: center;">11</td> </tr> <tr> <td style="text-align: center;">3</td> <td style="text-align: center;">13</td> </tr> <tr> <td style="text-align: center;">4</td> <td style="text-align: center;">14</td> </tr> <tr> <td style="text-align: center;">6</td> <td></td> </tr> <tr> <td style="text-align: center;">7</td> <td style="text-align: center;">17</td> </tr> <tr> <td></td> <td style="text-align: center;">20</td> </tr> </tbody> </table>	In	Out	1	11	3	13	4	14	6		7	17		20	<p>Are these shapes open or closed?</p> <div style="text-align: center;">  </div> <p style="text-align: center;">_____</p> <div style="text-align: center;">  </div> <p style="text-align: center;">_____</p>	<p>Write the standard form and word form of:</p> <p style="text-align: center;"> $400000000 + 90000000 + 9000000 + 300000 + 20000 + 5000 + 700 + 90 + 5$ </p> <p style="text-align: center;"> $800000000 + 90000000 + 7000000 + 700000 + 80000 + 3000 + 700 + 80 + 4$ </p>	<p>Subtract the following.</p> <p style="text-align: center;">$82996 - 2846 =$</p> <p style="text-align: center;">$65935 - 2726 =$</p> <p style="text-align: center;">$40325 - 8283 =$</p> <p style="text-align: center;">$69281 - 9690 =$</p> <p style="text-align: center;">$45543 - 8073 =$</p> <p style="text-align: center;">$12955 - 4934 =$</p>	<p>Word Problem.</p> <p>A stock worth \$34 at the beginning of the day lost \$15 in value by the end of the day. What was the price at the end of the day?</p>
In	Out																	
1	11																	
3	13																	
4	14																	
6																		
7	17																	
	20																	

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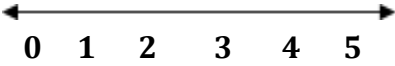

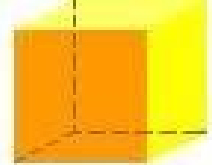

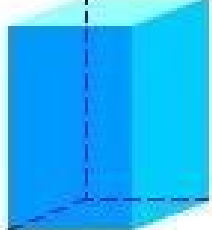

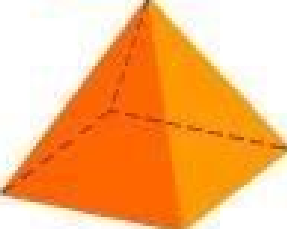
Monday 8/1		Tuesday	Wednesday	Thursday	Friday
Complete the table.		Define.	Find the pattern.	Compare the fractions using <, > or =	Word Problem.
In	Out	Triangle:	48, 57, 66, _____		Frank worked 8 hours on the first four days of the week. How many hours did he work in these four days?
3	6	_____	29, 48, 67, _____	$\frac{5}{13}$ $\frac{5}{17}$	
4	8	_____	8, 24, 40, _____	$\frac{7}{7}$ $\frac{7}{10}$	
7	12	Square:	14, 19, 24, _____	$\frac{19}{18}$ $\frac{18}{18}$	Sue's family went on vacation. Her mom drove the car at 60 mph. They camped at a campground after traveling for 5 hours. How far was the campground from their home?
7	14	_____	37, 46, 55, _____	$\frac{15}{18}$ $\frac{1}{18}$	
10	18	Rectangle:	63, 69, 75, _____	$\frac{11}{18}$ $\frac{11}{17}$	
10	20	_____	9, 18, 27, _____		
		_____	26, 38, 50, _____		
		Quadrilateral	69, 91, 113, _____		

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Monday 8/8	Tuesday	Wednesday	Thursday	Friday														
Complete the table. <table border="1" style="margin: 10px auto; border-collapse: collapse; text-align: center;"> <thead> <tr style="background-color: #ADD8E6;"> <th style="width: 50px;">In</th> <th style="width: 50px;">Out</th> </tr> </thead> <tbody> <tr><td>1</td><td>3</td></tr> <tr><td>2</td><td>6</td></tr> <tr><td>3</td><td></td></tr> <tr><td>4</td><td>12</td></tr> <tr><td></td><td>15</td></tr> <tr><td>6</td><td>18</td></tr> </tbody> </table>	In	Out	1	3	2	6	3		4	12		15	6	18	Draw a set of parallel lines. Draw a set of perpendicular lines.	Find the pattern of multiplication. 100, 1,000, 10,000, _____, _____ 90, 180, 360, _____, _____ 46, 506, 5,566, _____, _____ 77, 616, 4,928, _____, _____ 60, 1,020, 17,340, _____, _____	Order from least (smallest) to greatest (largest) $\frac{2}{19} \quad \frac{2}{16} \quad \frac{2}{18}$ _____, _____, _____ $\frac{1}{2} \quad \frac{1}{4} \quad \frac{1}{20}$ _____, _____, _____	Word Problem. Brett drove 55 miles every hour. How many miles would he drive in 8 hours? A perfect score is 21 points. How many points would you have after three perfect games in a row?
In	Out																	
1	3																	
2	6																	
3																		
4	12																	
	15																	
6	18																	

Monday 8/18	Tuesday	Wednesday	Thursday	Friday														
<p>Complete the table.</p> <table border="1"><thead><tr><th>In</th><th>Out</th></tr></thead><tbody><tr><td>0</td><td>5</td></tr><tr><td>3</td><td>8</td></tr><tr><td>7</td><td></td></tr><tr><td>8</td><td></td></tr><tr><td>10</td><td>15</td></tr><tr><td>11</td><td>16</td></tr></tbody></table>	In	Out	0	5	3	8	7		8		10	15	11	16	<p>Draw an acute angle.</p> <p>Draw a right angle.</p> <p>Draw an obtuse angle.</p>	<p>Find the perimeter of and name the polygons.</p>  <p>Name: _____</p> <p>Perimeter = _____</p>  <p>Name: _____</p> <p>Perimeter = _____</p>	<p>Find an equivalent Fraction.</p> $\frac{9}{15} = \frac{\quad}{5}$ $\frac{16}{32} = \frac{4}{\quad}$ $\frac{3}{6} = \frac{\quad}{12}$ $\frac{14}{28} = \frac{7}{\quad}$ $\frac{6}{15} = \frac{2}{\quad}$	<p>Word Problems.</p> <p>Brian's car gets 20 miles per gallon. On his last trip, he used 3 gallons of gas. How many miles did he travel on his last trip?</p> <p>A chocolate chip cookie recipe calls for 2 cups of chocolate chips. You want to make 23 recipes for a bake sale. How many cups of chocolate chips will be needed to make all the cookie recipes?</p>
In	Out																	
0	5																	
3	8																	
7																		
8																		
10	15																	
11	16																	

Monday 8/25	Tuesday	Wednesday	Thursday	Friday
<p>Solve. $15 / 4 =$</p> <p>$333 / 0 =$</p> <p>$587 / 5 =$</p> <p>$784 / 6 =$</p> <p>$311 / 7 =$</p> <p>$774 / 3 =$</p> <p>$521 / 8 =$</p> <p>$369 / 5 =$</p>	<p>Define.</p> <p>Pentagon: <hr/><hr/><hr/></p> <p>Hexagon: <hr/><hr/><hr/><hr/></p> <p>Octagon: <hr/><hr/><hr/><hr/><hr/></p> <p>Decagon <hr/><hr/><hr/><hr/><hr/><hr/><hr/></p>	<p>Draw the following polygons.</p> <p>Parallelogram</p> <p>Rectangle</p> <p>Rhombus</p> <p>Square</p> <p>Trapezoid</p> <p>These are all examples of what type of polygon? _____</p>	<p>Write the fractions in lowest terms.</p> <p>$\frac{12}{14}$</p> <p>$\frac{10}{12}$</p> <p>$\frac{7}{14}$</p> <p>$\frac{4}{16}$</p> <p>$\frac{18}{36}$</p>	<p>Word Problems.</p> <p>I have a pet golden retriever. Each year he gains 11 pounds. He is 8 Years old. How many pounds does he weigh?</p> <p>John can run one block in 30 seconds. How far can he run in 5 Minutes?</p>

Monday	Tuesday	Wednesday	Thursday	Friday												
<p>Complete. James measured the length of each nail in his toolbox. He made a table to show his data. Use the number line to make a line plot of the data.</p> <table border="1" data-bbox="86 462 352 813"> <thead> <tr> <th>Length in inches</th> <th>Number of nails</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>4</td> </tr> <tr> <td>2</td> <td>3</td> </tr> <tr> <td>3</td> <td>4</td> </tr> <tr> <td>4</td> <td>0</td> </tr> <tr> <td>5</td> <td>2</td> </tr> </tbody> </table> 	Length in inches	Number of nails	1	4	2	3	3	4	4	0	5	2	<p>How many sides do the following polygons have?</p> <p>Decagon: ____</p> <p>Pentagon: ____</p> <p>Quadrilateral: ____</p> <p>Triangle: ____</p> <p>Hexagon: ____</p> <p>Nonagon: ____</p> <p>Heptagon: ____</p>	<p>Name the figures</p>      	<p>Write each fraction in simplest form.</p> <p>$\frac{20}{25}$</p> <p>$\frac{9}{42}$</p> <p>$\frac{7}{77}$</p> <p>$\frac{36}{63}$</p> <p>$\frac{40}{48}$</p>	<p>Word Problems.</p> <p>I walked 2 miles in 1 hour for Relay for Life. If I maintained this pace for the 8 hours I walk, how many miles total will I walk?</p> <p>I walk 1 mile every 15 minutes. I walked 3 miles. How many minutes did it take me to walk 3 miles?</p>
Length in inches	Number of nails															
1	4															
2	3															
3	4															
4	0															
5	2															