

SAINT JOHN PAUL II CATHOLIC ACADEMY

Entering Grade 5 Summer Math

2018

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
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Solve.	Name the values of the given digits in the numbers below.	List the first 12 multiples of the following:	Use mental math to find each product.	Word Problem
41 x 58 =		2 _____ _____	537 x 10	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?
58 x 36 =	The 9s in 299	3 _____ _____	6637 x 1000	
75 x 23 =	The 5s in 4,557	4 _____ _____	925 x 10	
69 x 34 =	The 3s in 3300	5 _____ _____	567 x 100	
987 x 25 =	The 8s in 8856	6 _____ _____	Use mental math to find each dividend.	
369 x 75 =	The 1s in 5111	7 _____ _____	760 / 10	
157 x 74 =	The 2s in 8220	8 _____ _____	3,800 / 100	
287 x 65 =		9 _____ _____	450 / 10	
		10 _____ _____	45,000 / 1000	

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

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Monday 7/4	Tuesday	Wednesday	Thursday	Friday
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Solve.	Define the following terms.	List the factors of the following:	Find the GCF for each set of numbers.	Word problems
662 x 6 =	Factor:	42 _____/_____/_____/_____/_____/_____	42, 24 _____	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?
314 x 4 =	Common Factor:	24 _____/_____/_____/_____/_____/_____	36, 56 _____	
523 x 2 =	Greatest Common Factor:	36 _____/_____/_____/_____/_____/_____	12, 8 _____	
256 x 5 =		56 _____/_____/_____/_____/_____/_____		
111 x 7 =		12 _____/_____/_____/_____/_____/_____		
374 x 9 =		8 _____/_____/_____/_____/_____/_____		

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Monday 7/11	Tuesday	Wednesday	Thursday	Friday
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Solve.	Compare the following numbers using <, > or =	List the factors of the following:	Find the GCF for each set of numbers.	Word Problem.
672 / 6 =	157668 [] 214741	40 _____, _____, _____, _____, _____, _____	40, 18 _____	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?
316 / 4 =	130478 [] 273534	18 _____, _____, _____, _____, _____, _____	36, 56 _____	
528 / 2 =	843868 [] 658506	36 _____, _____, _____, _____, _____, _____	18, 30 _____	
240 / 12 =	227279 [] 227279	56 _____, _____, _____, _____, _____, _____		
749 / 7 =	279712 [] 507780	30 _____, _____, _____, _____, _____, _____		
333 / 9 =	616707 [] 616707			
84/12 =				

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Monday 7/18	Tuesday	Wednesday	Thursday	Friday
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Solve.	Compare the following numbers using <, > or =	Write the standard form and word form of:	Add the following.	Word Problem.
342 / 3 =			82996 + 2846 =	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.
458 / 6 =	234568 [] 213441	100000000 + 20000000 + 3000000 + 900000 + 90000 + 9000 + 30 + 3	65935 + 2726 =	
175 / 4 =	246478 [] 277524		40325 + 8283 =	
629 / 7 =	843768 [] 634506	100000000 + 50000000 + 300000 + 30000 + 2000 + 10 + 9	69281 + 9690 =	
887 / 5 =	225679 [] 222379		45543 + 8073 =	
329 / 8 =	279712 [] 509080		12955 + 4934 =	
257 / 9 =	616345 [] 613707			
324 / 2 =				

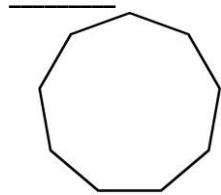
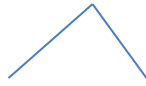
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Monday 7/25	Tuesday	Wednesday	Thursday	Friday
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Complete the table.

In	Out
1	11
3	13
4	14
6	<input type="text"/>
7	17
<input type="text"/>	20

Are these shapes open or closed?



Write the standard form and word form of:

$$400000000 + 90000000 + 9000000 + 300000 + 20000 + 5000 + 700 + 90 + 5$$

$$800000000 + 90000000 + 7000000 + 700000 + 80000 + 3000 + 700 + 80 + 4$$

Subtract the following.

$$82996 - 2846 =$$

$$65935 - 2726 =$$

$$40325 - 8283 =$$

$$69281 - 9690 =$$

$$45543 - 8073 =$$

$$12955 - 4934 =$$

Word Problem.

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?

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Monday 8/1		Tuesday	Wednesday	Thursday	Friday														
Complete the table. <table border="1" style="margin-left: 20px;"> <thead> <tr> <th style="background-color: #fce4d6;">In</th> <th style="background-color: #fce4d6;">Out</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">3</td> <td style="text-align: center;">6</td> </tr> <tr> <td style="text-align: center;">4</td> <td style="text-align: center;">8</td> </tr> <tr> <td style="text-align: center;"><input style="width: 50px; height: 20px;" type="text"/></td> <td style="text-align: center;">12</td> </tr> <tr> <td style="text-align: center;">7</td> <td style="text-align: center;">14</td> </tr> <tr> <td style="text-align: center;"><input style="width: 50px; height: 20px;" type="text"/></td> <td style="text-align: center;">18</td> </tr> <tr> <td style="text-align: center;">10</td> <td style="text-align: center;">20</td> </tr> </tbody> </table>		In	Out	3	6	4	8	<input style="width: 50px; height: 20px;" type="text"/>	12	7	14	<input style="width: 50px; height: 20px;" type="text"/>	18	10	20	Define. Triangle: _____ _____ _____ Square: _____ _____ _____ Rectangle: _____ _____ _____ Quadrilateral _____ _____ _____	Find the pattern. 48, 57, 66, _____ 29, 48, 67, _____ 8, 24, 40, _____ 14, 19, 24, _____ 37, 46, 55, _____ 63, 69, 75, _____ 9, 18, 27, _____ 26, 38, 50, _____ 69, 91, 113, _____	Compare the fractions using <, > or = $\frac{5}{13}$ $\frac{5}{17}$ $\frac{7}{7}$ $\frac{7}{10}$ $\frac{19}{18}$ $\frac{18}{18}$ $\frac{15}{18}$ $\frac{1}{18}$ $\frac{11}{18}$ $\frac{11}{17}$	Word Problem. Frank worked 8 hours on the first four days of the week. How many hours did he work in these four days? 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?
In	Out																		
3	6																		
4	8																		
<input style="width: 50px; height: 20px;" type="text"/>	12																		
7	14																		
<input style="width: 50px; height: 20px;" type="text"/>	18																		
10	20																		

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Complete the table.	Draw a set of parallel lines.	Find the pattern of multiplication.	Order from least (smallest) to greatest (largest)	Word Problem.														
<table border="1"> <thead> <tr> <th data-bbox="100 277 289 354">In</th> <th data-bbox="289 277 478 354">Out</th> </tr> </thead> <tbody> <tr> <td data-bbox="100 354 289 435">1</td> <td data-bbox="289 354 478 435">3</td> </tr> <tr> <td data-bbox="100 435 289 516">2</td> <td data-bbox="289 435 478 516">6</td> </tr> <tr> <td data-bbox="100 516 289 667">3</td> <td data-bbox="289 516 478 667"> <input type="text"/> </td> </tr> <tr> <td data-bbox="100 667 289 748">4</td> <td data-bbox="289 667 478 748">12</td> </tr> <tr> <td data-bbox="100 748 289 899"> <input type="text"/> </td> <td data-bbox="289 748 478 899">15</td> </tr> <tr> <td data-bbox="100 899 289 980">6</td> <td data-bbox="289 899 478 980">18</td> </tr> </tbody> </table>	In	Out	1	3	2	6	3	<input type="text"/>	4	12	<input type="text"/>	15	6	18		<p>100, 1,000, 10,000, _____, _____</p> <p>90, 180, 360, _____, _____</p> <p>46, 506, 5,566, _____, _____</p> <p>77, 616, 4,928, _____, _____</p> <p>60, 1,020, 17,340, _____, _____</p>	<p>$\frac{2}{19}$ $\frac{2}{16}$ $\frac{2}{18}$</p> <p>____, ____ , ____</p> <p>$\frac{1}{2}$ $\frac{1}{4}$ $\frac{1}{20}$</p> <p>____, ____ , ____</p>	<p>Brett drove 55 miles every hour. How many miles would he drive in 8 hours?</p> <p>A perfect score is 21 points. How many points would you have after three perfect games in a row?</p>
In	Out																	
1	3																	
2	6																	
3	<input type="text"/>																	
4	12																	
<input type="text"/>	15																	
6	18																	
	<p>Draw a set of perpendicular lines.</p>																	

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

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