

SAINT JOHN PAUL II CATHOLIC ACADEMY

Entering Grade 4 Summer Math

2018

In Grade 3 You Learned To:

Operations and Algebraic Thinking

- Represent and solve problems involving multiplication and division.
- Understand properties of multiplication and the relationship between multiplication and division.
- Multiply and divide within 100.
- Solve problems involving the four operations, and identify and explain patterns in arithmetic.

Number and Operations in Base Ten

- Use place value understanding and properties of operations to perform multi-digit arithmetic.

Number and Operations—Fractions

- Develop understanding of fractions as numbers. **Measurement**

and Data

- Solve problems involving measurement and estimation of intervals of time, liquid volumes, and masses of objects.
- Represent and interpret data.
- Geometric measurement: understand concepts of area and relate area to multiplication and to addition.
- Geometric measurement: recognize perimeter as an attribute of plane figures and distinguish between linear and area

measures. **Geometry**

- Reason with shapes and their attributes.

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Monday	Tuesday	Wednesday	Thursday	Friday
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<p>$\square \times 6 = 600$</p> <p>$36 \div 6 = \underline{\quad}$</p> <p>$360 \div 6 = \underline{\quad}$</p> <p>$3,600 \div 6 = \underline{\quad}$</p>	<p>Create the largest number possible using the digits 2, 5, 9, 7</p>	<p>Draw a rectangle. Tell one piece of information to describe the sides or the angles of any rectangle.</p>	<p>Write a fact family for 9, 4, and 36</p> <p>Which numbers are factors?</p>	<p>Jenna read 25 pages yesterday. Alice read two times the number of pages as Jenna. How many pages did Alice read?</p>
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Monday	Tuesday	Wednesday	Thursday	Friday
<p>Rewrite the number 7,652 and circle the number in the tens place.</p>	<p>How much change will John receive if he buys a toy that costs \$17.86 and he paid with a \$20 bill?</p>	<p>Circle 3/6 of the set.</p> <p style="text-align: center;">▲ ▲ ▲ ▲ ▲</p>	<p>Solve:</p> <p>$5 \times 9 = \underline{\quad}$</p> <p>$5 \times 90 = \underline{\quad}$</p> <p>$5 \times 900 = \underline{\quad}$</p>	<p>Solve:</p> <p>$49 \div 7 = \underline{\quad}$</p> <p>$81 \div 9 = \underline{\quad}$</p> <p>$21 \div 7 = \underline{\quad}$</p> <p>$25 \div 5 = \underline{\quad}$</p>

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<p>Estimate the sum by rounding to the nearest ten.</p> <p>$442+109$</p> <p>Is the sum greater or less than 500?</p>	<p>What is the rule?</p> <p>3,7,11,15,19,23</p>	<p>Write the number in expanded notation.</p> <p>6,091</p>	<p>Round 867 to the nearest hundred</p> <p>.</p>	<p>Fill in the blank and then name the property of addition that goes with the example.</p> <p>$10+8+_{\quad}$ $=8+2+10$</p>
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<p>Copy the set below. Then, circle 5/10 of the set.</p> <p>★ ★ ★ ★ ★ ★ ★ ★ ★ ★</p>	<p>Sam put 48 cupcakes into boxes. He put 6 in each box. How many boxes did he fill with cupcakes?</p>	<p>Fill in the blanks using the rule +4</p> <p>___, 20, ___, 28</p> <p>What is the rule for the following pattern?</p> <p>160, 80, 40, 20, 10</p>	$\begin{array}{r} 807 \\ -469 \\ \hline \end{array}$ $\begin{array}{r} 1,203 \\ -594 \\ \hline \end{array}$	<p>Draw an equilateral triangle.</p>

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<p>Draw a square. Divide the shape by drawing one diagonal. What shape do you have two of now?</p>	$\begin{array}{r} 329 \\ + 486 \\ \hline \end{array}$	<p>Graham's sunflower is 2 feet tall. Katie's sunflower is 1 foot 8 inches tall. How much taller is Graham's sunflower?</p>	<p>Draw an array with 25 circles arranged in 5 columns.</p>	<p>Round to the nearest ten.</p> <p>$313 + 209 =$</p> <p>Is the estimated sum >500 or <500?</p>
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<p>Pizza Palace sold 120 slices of pieces yesterday. Today it sold 94. How many fewer slices did it sell today?</p>	<p>A ticket to the zoo costs \$18.00 for an adult. What is the total cost for 4 adults?</p>	<p>About how much money will you need to buy 4 stopwatches for \$12.89 each?</p>	<p>John ate $\frac{1}{2}$ of a pizza. Jane ate $\frac{1}{4}$ of a pizza. Who ate more?</p>	<p>Draw a quadrilateral with 2 acute angles and 2 obtuse angles.</p>

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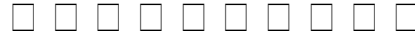
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Write the number
398,521 in expanded
and word form.

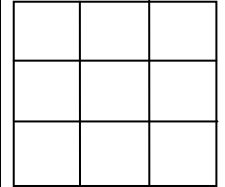
$15 \times 4 = \underline{\quad}$

Divide this set into fifths.



Lunch starts at
12:00 and ends at
12:35. How long is
lunch?

What is the
area of the
shape below?



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<p>Draw a parallelogram and a trapezoid. What is one thing that is the same about the shapes? What is one thing that is different about the shapes?</p>	<p>Write a fact family for 7, 8, and 56.</p> <p>From yesterday's question, which number is the product?</p>	<p>I drove my car 26 miles yesterday and 19 miles today. How many fewer miles did I drive today?</p>	<p>What are the first five multiples of</p> <p>4? _____ 6? _____</p> <p>7? _____</p> <p>8? _____</p> <p>9? _____</p>	<p>$\frac{1}{5} = \frac{\quad}{10}$</p>

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<p> $42 \div 7 = \underline{\quad}$ $36 \div 9 = \underline{\quad}$ $27 \div 3 = \underline{\quad}$ </p> <p>What three numbers are the quotients?</p>	<p> Round to the nearest thousand and estimate the difference. $4,502 - 895 = \underline{\quad}$ </p>	<p> Measure the line segment to the nearest inch. <hr style="width: 150px; margin-left: 0;"/> Draw a pair of perpendicular lines. </p>	<p> Draw a picture to show which fraction is larger. Use $<$, $>$, $=$ to compare them. $\frac{1}{3} \underline{\quad} \frac{1}{4}$ </p>	<p> 36,752 The 3 digit stands for: _____ The 6 digit stands for: _____ The 7 digit stands for: _____ The 5 digit stands for: _____ The 2 digit stands for: _____ </p>
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<p>_____seconds = 2 minutes</p>	<p>Round \$2.63 to the nearest dollar.</p>	<p>Fill in the blanks using the rule multiply by 2. ____, 4, ____, 16</p>	<p>I have 3 vertices and 3 angles. All my sides are different lengths. What polygon am I? I am a _____ (2words)</p>	<p>List all the factors of 12.</p>

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<p>Complete the number sentences:</p> $(20+8) \div 2 = \underline{\quad}$ $(9-6) \times 5 = \underline{\quad}$	<p>I am a square. If I add the length of each of my sides, it equals 36. How long is each of my sides?</p>	<p>Peter sold 100 cups of lemonade at his lemonade stand. John sold half the cups that Peter sold. How many cups of lemonade did John sell?</p>	<p>Draw a right angle, an obtuse angle, and an acute angle.</p>	<p>Draw an array with 27 circles arranged in 3 columns.</p>

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