SAINT JOHN PAUL II CATHOLIC ACADEMY

Entering Grade 4 Summer Math

Saint John Paul II
MATH Summer Packet – Entering Grade 4

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
___ x 6 =600 ___ x 6 = 60 ___ x 6 = 6,000 36 ÷ 6 =___ 360 ÷ 6 =___ 3, 600 ÷ 6 = ___	Create the largest number possible using the **digits** 2, 5, 9, 7	Draw a **rectangle**. Tell one piece of information to describe the sides or the angles of any rectangle.	Write a fact family for 9,4, and 36 Which numbers are **factors**?	Jenna read 25 pages yesterday. Alice read two times the number of pages as Jenna. How many pages did Alice read?

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Monday	**Tuesday**	**Wednesday**	**Thursday**	**Friday**
Rewrite the number 7,652 and circle the number in the **tens place**.	How much **change** will John receive if he buys a toy that costs $17.86 and he paid with a $20 bill?	Circle 3/6 of the set. ▲▲▲▲▲	Solve: 5x9 = ____ 5x90=____ 5x900=____	Solve: 49÷7=___ 81÷9=___ 21÷7=___ 25÷5=___

Monday	**Tuesday**	**Wednesday**	**Thursday**	**Friday**
Estimate the sum by rounding to the nearest ten. 442+109 Is the sum greater or less than 500?	What is the **rule**? 3,7,11,15,19,23	Write the number in **expanded notation**. 6,091	Round 867 to the nearest hundred.	Fill in the blank and then name the property of addition that goes with the example. 10+8+_ =8+2+10

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Copy the set below. Then, circle 5/10 of the set. ✪ ✪ ✪ ✪ ✪ ✪ ✪ ✪ ✪ ✪	Sam put 48 cupcakes into boxes. He put 6 in each box. How many boxes did he fill with cupcakes?	Fill in the blanks using the rule +4 ____, 20, ____, 28 What is the rule for the following pattern? 160, 80, 40, 20, 10	807 -469 1, 203 - 594	Draw an **equilateral** triangle.

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Draw a **square**. Divide the shape by drawing one **diagonal**. What shape do you have two of now?	329 + 486	Graham's sunflower is 2 **feet** tall. Katie's sunflower is 1 foot 8 **inches** tall. How much taller is Graham's sunflower?	Draw an **array** with 25 circles arranged in 5 **columns**.	**Round** to the nearest ten. 313+209= Is the estimated sum >500 or <500?

Monday	**Tuesday**	**Wednesday**	**Thursday**	**Friday**
Pizza Palace sold 120 slices of pieces yesterday. Today it sold 94. How many **fewer** slices did it sell today?	A ticket to the zoo costs $18.00 for an adult. What is the **total cost** for 4 adults?	**About** how much money will you need to buy 4 stopwatches for $12.89 each?	John ate ½ of a pizza. Jane ate ¼ of a pizza. Who ate more?	Draw a quadrilateral with 2 acute angles and 2 obtuse angles.

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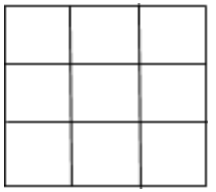
Write the number **398,521** in expanded and word form.	15 x 4 = ___	Divide this set into fifths. □ □ □ □ □ □ □ □ □ □	Lunch starts at 12:00 and ends at 12:35. How long is lunch?	What is the area of the shape below? 

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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?	Write a fact family for 7, 8, and 56. From yesterday's question, which number is the **product**?	I drove my car 26 miles yesterday and 19 miles today. How many fewer miles did I drive today?	What are the first five **multiples** of 4? ___,___,___,___,___ 6? ___,___,___,___,___ 7? ___,___,___,___,___ 8? ___,___,___,___,___ 9? ___,___,___,___,___	$\frac{1}{5} = \frac{\_\_\_}{10}$

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Monday	Tuesday	Wednesday	Thursday	Friday
42÷7 = ___ 36÷9= ___ 27÷3 = ___ What three numbers are the **quotients**?	**Round to the nearest thousand** and estimate the difference. 4,502 - 895 = ___	Measure the line segment to the nearest inch. _____ Draw a pair of perpendicular lines.	Draw a picture to show which fractions is larger. Use **<,>, =** to compare them. ⅓ ___ ¼	**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: _____

Monday	Tuesday	Wednesday	Thursday	Friday
_____seconds = 2 minutes	**Round** $2.63 to the nearest dollar.	Fill in the blanks using the rule **multiply by 2**. ____, 4, ___, 16	I have **3 vertices and 3 angles**. All my sides are different lengths. What **polygon** am I? I am a _____ (2words)	List all the factors of 12.
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Complete the number sentences: (20+8) ÷ 2 = ____ (9-6) x 5 = ____	I am a square. If I add the length of each of my sides, it equals 36. How long is each of my sides?	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?	Draw a right angle, an obtuse angle, and an acute angle.	Draw an **array** with 27 circles arranged in 3 **columns.**