Greeting Incoming Fifth Grade Students,

Congratulations! You've successfully completed Fourth Grade! You must be very proud. I am looking forward to a great year together in Fifth Grade.

During the summer you will want to avoid "BRAIN DRAIN". The following activities will help you do just that. I have included a suggested list of books to read. Please read, read, and then read some more! Feel free to choose your own book/books to read over the summer. I hesitate to tell or even suggest WHAT to read. I am just concerned THAT you read.

Also included in your summer work packet is a Math portion. The work is spread out over 10 weeks. The Math Calendar is a purchased resource created by Amy Hearne. This resource will serve to keep the math lessons you learned in Fourth Grade fresh in your minds so when we return to school we can add to your learning. You can work on your calendar any way that you choose. You may do the problems for the week in one day or you may spend five to ten minutes a day completing each problem. It is totally up to you. The one thing I suggest is that you don't leave the calendar until the week or even the day before school begins. You must show your work and the work must be done in pencil. The packet includes an evaluation form for you and one for your parents to complete. These will help me to determine the benefits of this resource. Please be ready to submit the completed packet during the first week of school.

Enjoy your summer and make reviewing Math and Reading part of the fun. If you should have any questions over the summer feel free to email me at erandolph@stpaulbrl.org. I can't wait to see you in the fall!

Blessings,
Mrs. Randolph

Summer Suggested Reading List

1. The One and Only Ivan by Katherine Applegate
2. The Lightning Thief (Percy Jackson and the Olympians) by Rick Riordan
3. Holes by Louis Sachar
4. Number the Stars by Lois Lowry
5. Harriet the Spy by Louise Fitzhugh
6. A Wrinkle in Time by Madeleine L'Engle
7. The Crossover by Jason Reynolds
8. Frindle by Andrew Clements

Choose any book from this list or make your own suggestion and add the title(s) to this page.

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_____

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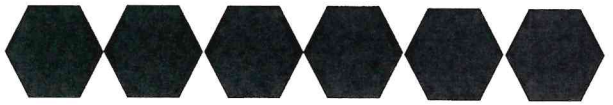
_____

Incoming

5th Grade

Summer Math Calendar

Summer Math Calendar Evaluation for Parents



1.) How difficult did you feel this summer math calendar was for your student? Was it too easy or too difficult or somewhere in the middle?

2.) How much help did you give your son or daughter in completing this calendar?

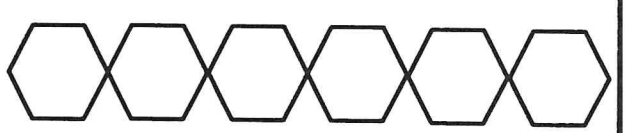
3.) What would you say was the best thing about the summer math calendar?

4.) What would you say was the most difficult thing about the summer math calendar?

5.) If you could change one thing about the summer math calendar in general, what would you change?

Thank you for taking the time to complete this evaluation!

Summer Math Calendar Evaluation for Students



Please rate the following on a scale from 1-10, with 1 being the easiest and 10 being the hardest.

1.) _____ How would you rate the difficulty of the problems in general throughout the summer math calendar?

2.) _____ How would you rate the variety and amount of problems throughout the calendar?

3.) What types of problems in the calendar were the most difficult and why?

4.) What types of problems in the calendar were the easiest and why?

5.) When did you complete the calendar? How did you pace yourself when completing the calendar? (Did you do it every day, once a week, completed it in a few days?)

Thank you for taking the time to complete this evaluation!

Week One

Problem	Work & Answer
Solve: a.) $\frac{1}{4}+\frac{3}{4}$ b.) $\frac{6}{7}+\frac{3}{7}$ c.) $\frac{2}{5}+\frac{1}{5}$	
List the factors of each number. a.) 72 b.) 54 c.) Write the factors that 72 and 54 have in common.	
Find the sum: a.) 3,298 + 783 b.) 13,942 + 9,876	
List the **first five multiples** of each number below: a.) 3 b.) 7	
Round each to the nearest hundred thousand place a.) 243,870 b.) 953,866	

Week Two

Problem	Work & Answer
Is 63 prime or composite? Explain why.	
Decompose $3\frac{4}{9}$ by rewriting the fraction two different ways.	
Write each number in expanded form: a.) 785 b.) 3,235	
The area of a rectangle is 42 inches squared. If the width is 6 inches, what is the length?	
Find the difference (simplify your answer): a.) $\frac{5}{8} - \frac{3}{8}$ b.) $\frac{9}{12} - \frac{4}{12}$	

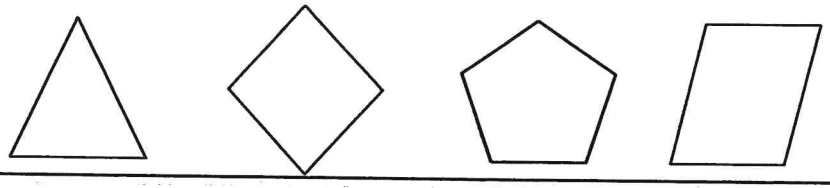
Week Three

Problem	Work & Answer
Multiply the following using any method: a.) 137 x 8 b.) 26 x 19	
Find the quotients: a.) 85 ÷ 3 b.) 346 ÷ 5	
Write each number below in word form: a.)5,470 b.) 197,306	
Casey bought 103 pieces of candy for her students who worked well in a group. The next week she bought three times as much. About how many pieces of candy did she buy in all?	
Write a fraction to describe the number of days in a week that start with the letter T.	

Week Four

Problem	Work & Answer
Find the number of inches for the following: a.) 4 yards b.) 15 feet	
On a number line label the following fractions: $\frac{4}{5}, \frac{2}{5}, \frac{5}{5}, \frac{3}{5}$	
Find each sum. Change the tenths to hundredths before you add. a.) $\frac{4}{10} + \frac{15}{100}$ b.) $\frac{8}{10} + \frac{10}{100}$	
Use the distributive property to multiply a.) 24 x 9 b.) 35 x 14	
Compare the fractions, use <, > or =	a.) $\frac{3}{7} \bigcirc \frac{5}{7}$ b.) $\frac{1}{9} \bigcirc \frac{1}{3}$

Week Five

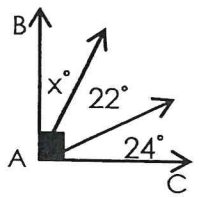
Problem	Work & Answer
Circle the shapes that have parallel sides.	
Sally had 5 more seashells than Danny. Sally had 37 shells. Write an equation to find out how many shells Danny had and then solve the equation.	
Estimate the difference or sum of each and then find the actual answer. a.) 823 – 89 b.) 479 + 120	
Write the following as a decimal: a.) $\frac{7}{10}$ b.) $\frac{3}{10}$	
There are 9 cars in the parking lot. There are 2 that are green, 4 that are red and 3 that are blue. Write a fraction in simplest form that shows the number of blue cars.	

Problem	Estimate	Actual Answer
823 – 89		
479 + 120		

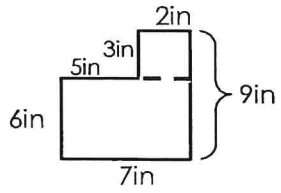
Week Six

Problem	Work & Answer
Create a line plot that shows the amount of rain that fell in Seattle over a week: $\frac{1}{4}, \frac{1}{2}, \frac{3}{4}, \frac{1}{4}, \frac{1}{4}, \frac{1}{2}, 1, \frac{1}{2}$	
Find the **product** of each of the following: a.) 122 x 42 b.) 39 x 25	
Draw and label each of the following angles: right, acute and obtuse	
There were 56 students that were participating in a field day. If there were 8 teams, how many students were on each team?	
Compare 718,900 and 728,900, In which place does the value change?	

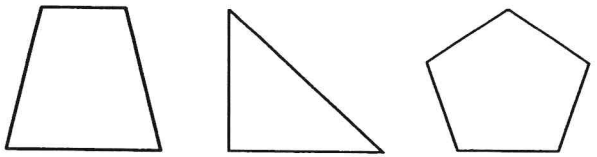
Week Seven

Problem	Work & Answer
Use mental math to find the following products: a.) 30 x 70 b.) 40 x 80 c.) 600 x 90	
Write three fractions that are equivalent to: $\frac{1}{3}$	
Find the missing number: a.) _____ + 1,539 = 8,451 b.) 2,345 - _____ = 987	
Complete the pattern and then describe what the pattern is.	54, 49, 44, 39, 34, ____, ____
$\overrightarrow{AB}$ and $\overrightarrow{AC}$ are perpendicular. What is the value of x?  	

Week Eight

Problem	Work & Answer
Fill in the sign (<, >, or =) that makes each to the right statement true.	a.) 0.4 ◯ 0.40 b.) 0.50 ◯ 0.8
Find the area of the figure. 	
a.) 372,458 + 479,632 b.) 70,000 – 38,694	
Draw an example of a right triangle.	
Write each fraction as a decimal. a.) $\frac{64}{100}$ b.) $\frac{3}{10}$	

Week Nine

Problem	Work & Answer
Write the base ten number for the following: a.) seven thousand, twenty-four b.) sixty-three, six hundred eight	
Draw a line of symmetry through each figure.	
At birth Claire weighed 6 pounds, 4 ounces. Her twin sister Erica weighed 5 pounds 15 ounces. How much more did Claire weigh at birth than her sister Erica (in ounces)?	
Write each decimal as a fraction. a.) 0.9 b.) 0.47	
Describe the pattern and draw the next figure. 	

Week Ten

Problem	Work & Answer
Draw three different examples of shapes that have perpendicular lines.	
Use equivalent fractions to find the sum. $\frac{30}{100} + \frac{7}{10}$	
Find the quotient of $7{,}386 \div 6$	
William walked one-third of a mile to school every day. If he walked to school every day during a 5 day school week, how far did he walk in total to school?	
Find each product: a.) $4{,}368 \times 7$ b.) $12{,}949 \times 3$	

Week One

Problem	Work & Answer
Solve: a.) $\frac{1}{4}+\frac{3}{4}$ b.) $\frac{6}{7}+\frac{3}{7}$ c.) $\frac{2}{5}+\frac{1}{5}$	a.) $\frac{4}{4}=1$ b.) $\frac{9}{7}=1\frac{2}{7}$ c.) $\frac{3}{5}$
List the factors of each number. a.) 72 b.) 54 c.) Write the factors that 72 and 54 have in common.	a.) 72: 1, 2, 3, 4, 6, 8, 9, 12, 18, 24, 36, 72 b.) 54: 1, 2, 3, 6, 9, 18, 27, 52 c.) Common Factors: 1, 2, 3, 6, 9, 18
Find the sum: a.) 3,298 + 783 b.) 13,942 + 9,876	a.) 4,081 b.) 23,818
List the **first five multiples** of each number below: a.) 3 b.) 7	a.) 3: 3, 6, 9, 12, 15 b.) 7: 7, 14, 21, 28, 35
Round each to the nearest hundred thousand place a.) 243,870 b.) 953,866	a.) 200,000 b.) 1,000,000

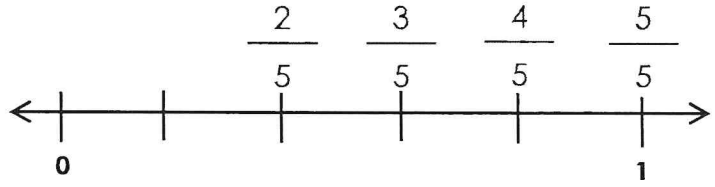
Week Two

Problem	Work & Answer
Is 63 prime or composite? Explain why.	63 is composite because it is a number with ***more than*** two factors.
Decompose $3\frac{4}{9}$ by rewriting the fraction two different ways.	Answers will vary but could include: $3\frac{4}{9} = 3 + \frac{4}{9}$ $3\frac{4}{9} = 3 + \frac{2}{9} + \frac{2}{9}$
Write each number in expanded form: a.) 785 b.) 3,235	a.) (7 x 100) + (8 x 10) + (5 x 1) OR 700 + 80 + 5 b.) (3 x 1,000) + (2 x 100) + (3 x 10) + (5 x 1) OR 3,000 + 200 + 30 + 5
The area of a rectangle is 42 inches squared. If the width is 6 inches, what is the length?	l x 6 = 42 42 ÷ 6 = 7 The length is 7 inches.
Find the difference (simplify your answer): a.) $\frac{5}{8} - \frac{3}{8}$ b.) $\frac{9}{12} - \frac{4}{12}$	a.) $\frac{1}{4}$ b.) $\frac{5}{12}$

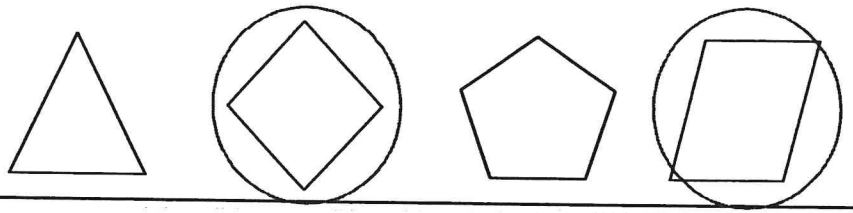
Week Three

Problem	Work & Answer
Multiply the following using any method: a.) 137 x 8 b.) 26 x 19	a.) 1,096 b.) 494
Find the quotients: a.) 85 ÷ 3 b.) 346 ÷ 5	a.) 28 R1 b.) 69 R1
Write each number below in word form: a.)5,470 b.) 197,306	a.) Five thousand, four hundred seventy b.) One hundred ninety-seven thousand, three hundred six
Casey bought 103 pieces of candy for her students who worked well in a group. The next week she bought three times as much. About how many pieces of candy did she buy in all?	Week 1: About 100 Week 2: 3 x 100 = 300 Total: 100 + 300 = About 400 ***In all Casey bought about 400 pieces of candy.***
Write a fraction to describe the number of days in a week that start with the letter T.	Tuesday and Thursday both start with T. $\frac{2}{7}$

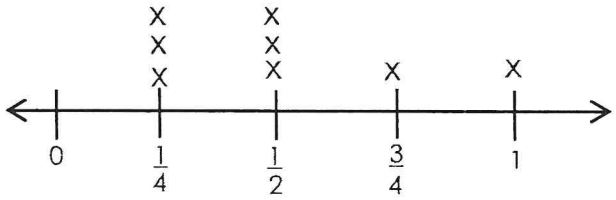
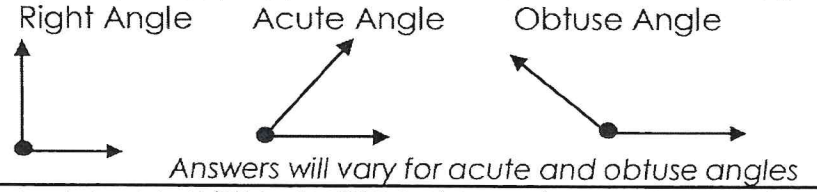
Week Four

Problem	Work & Answer
Find the number of inches for the following: a.) 4 yards b.) 15 feet	a.) 3ft = 1yd, 12in = 1ft, 4 x3 = 12 ft x 12in = **144 inches in 4 yards** b.) 15ft x 12in = **180 inches in 15 feet**
On a number line label the following fractions: $\frac{4}{5}, \frac{2}{5}, \frac{5}{5}, \frac{3}{5}$	
Find each sum. Change the tenths to hundredths before you add. a.) $\frac{4}{10} + \frac{15}{100}$ b.) $\frac{8}{10} + \frac{10}{100}$	a.) $\frac{55}{100} = \frac{11}{20}$ b.) $\frac{90}{100} = \frac{9}{10}$
Use the distributive property to multiply a.) 24 x 9 b.) 35 x 14	a.) (20 x 9) + (4 x 9) = 180 + 36 = **216** b.) (30 x 10) + (30 x 4) + (5 x 10) + (5 x 4) = 300 + 120 + 50 + 20 = **490**
Compare the fractions, use <, > or =	a.) $\frac{3}{7} \textcircled{<} \frac{5}{7}$ b.) $\frac{1}{9} \textcircled{<} \frac{1}{3}$

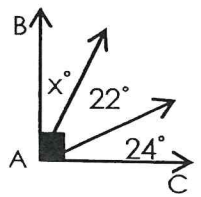
Week Five

Problem	Work & Answer
Circle the shapes that have parallel sides.	
Sally had 5 more seashells than Danny. Sally had 37 shells. Write an equation to find out how many shells Danny had and then solve the equation.	d = # of shells Danny has d + 5 = 37 d = 32
Estimate the difference or sum of each and then find the actual answer. a.) 823 – 89 b.) 479 + 120	**Problem** / **Estimate** / **Actual Answer** 823 – 89 / 820-90 = 730 / 734 479 + 120 / 480 +120 = 600 / 599
Write the following as a decimal: a.) $\frac{7}{10}$ b.) $\frac{3}{10}$	a.) 0.7 b.) 0.3
There are 9 cars in the parking lot. There are 2 that are green, 4 that are red and 3 that are blue. Write a fraction in simplest form that shows the number of blue cars.	$\frac{3}{9} = \frac{1}{3}$

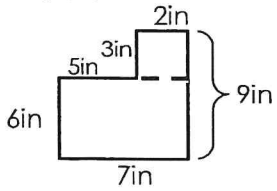
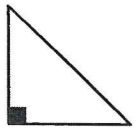
Week Six

Problem	Work & Answer
Create a line plot that shows the amount of rain that fell in Seattle over a week: $\frac{1}{4}, \frac{1}{2}, \frac{3}{4}, \frac{1}{4}, \frac{1}{4}, \frac{1}{2}, 1, \frac{1}{2}$	
Find the **product** of each of the following: a.) 122 x 42 b.) 39 x 25	a.) 5,124 b.) 975
Draw and label each of the following angles: right, acute and obtuse	 *Answers will vary for acute and obtuse angles*
There were 56 students that were participating in a field day. If there were 8 teams, how many students were on each team?	$56 \div 8 = 7$ There were 7 students on each team.
Compare 718,900 and 728,900, In which place does the value change?	The value changes in the ten-thousands place.

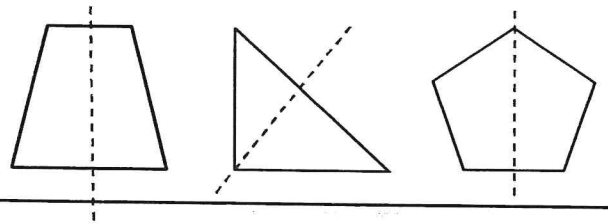
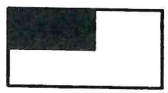
Week Seven

Problem	Work & Answer
Use mental math to find the following products: a.) 30 x 70 b.) 40 x 80 c.) 600 x 90	a.) 30 x 70 = 2,100 b.) 40 x 80 = 3,200 c.) 600 x 90 = 54,000
Write three fractions that are equivalent to: $\frac{1}{3}$	$\frac{1 \times 2}{3 \times 2} = \frac{\mathbf{2}}{\mathbf{6}}$ $\frac{1 \times 3}{3 \times 3} = \frac{\mathbf{3}}{\mathbf{9}}$ $\frac{1 \times 4}{3 \times 4} = \frac{\mathbf{4}}{\mathbf{12}}$ *Answers will vary*
Find the missing number: a.) _____ + 1,539 = 8,451 b.) 2,345 - _____ = 987	a.) 6,912 b.) 1,358
Complete the pattern and then describe what the pattern is.	54, 49, 44, 39, 34, _29_, _24_ The pattern is decreasing by a value of 5.
$\overrightarrow{AB}$ and $\overrightarrow{AC}$ are perpendicular. What is the value of x? 	22 + 24 + x = 90 **x = 44°**

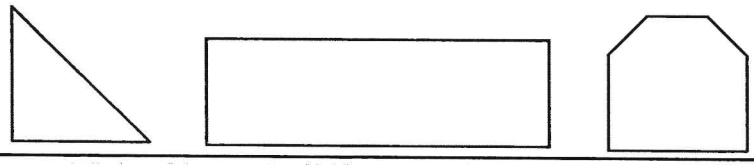
Week Eight

Problem	Work & Answer
Fill in the sign (<, >, or =) that makes each to the right statement true.	a.) 0.4 (=) 0.40 b.) 0.50 (<) 0.8
Find the area of the figure. 	The area of the figure is $48in^2$.
a.) 372,458 + 479,632 b.) 70,000 – 38,694	a.) 852,090 b.) 31,306
Draw an example of a right triangle.	
Write each fraction as a decimal. a.) $\frac{64}{100}$ b.) $\frac{3}{10}$	a.) 0.64 b.) 0.3

Week Nine

Problem	Work & Answer
Write the base ten number for the following: a.) seven thousand, twenty-four b.) sixty-three, six hundred eight	a.) 7,024 b.) 63,608
Draw a line of symmetry through each figure.	
At birth Claire weighed 6 pounds, 4 ounces. Her twin sister Erica weighed 5 pounds 15 ounces. How much more did Claire weigh at birth than her sister Erica (in ounces)?	Claire weighed 5 ounces more than Erica.
Write each decimal as a fraction. a.) 0.9 b.) 0.47	a.) $\frac{9}{10}$ b.) $\frac{47}{100}$
Describe the pattern and draw the next figure. 	The figure is rotating clockwise 90 degrees. 

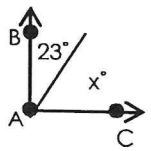
Week Ten

Problem	Work & Answer
Draw three different examples of shapes that have perpendicular lines.	Answers will vary, but may include: 
Use equivalent fractions to find the sum. $\frac{30}{100} + \frac{7}{10}$	$\frac{30}{100} + \frac{70}{100} = \frac{\mathbf{100}}{\mathbf{100}} = \mathbf{1}$
Find the quotient of $7{,}386 \div 6$	1,231
William walked one-third of a mile to school every day. If he walked to school every day during a 5 day school week, how far did he walk in total to school?	William walked $1\frac{2}{3}$ miles.
Find each product: a.) 4,368 x 7 b.) 12,949 x 3	a.) 30,576 b.) 38,847

Name: _____

5th Grade Summer Math Quiz

Complete the following problems. Show your work, using the work space page if needed.

1.) Find the sum. 14,876 + 3,509	2.) Add the fractions. $\frac{1}{6} + \frac{4}{6} =$	3.) Round 784,936 to the ten thousands place.
4.) Is 23 prime or composite? Explain.	5.) Write 26,748 in expanded form.	6.) Find the area of a garden that has a length of 4yd and a width of 2yd.
7.) Multiply 32 x 18.	8.) Write the number below in standard form: Sixteen thousand, eight hundred forty.	9.) Divide 987 ÷ 6.
10.) How many inches are in 3 yards?	11.) $\overrightarrow{AB}$ and $\overrightarrow{AC}$ are perpendicular. Find the value of x. 	12.)Compare by using <, >, or =. $\frac{3}{6} \bigcirc \frac{1}{2}$
13.) Draw an obtuse angle.	14.) Write two fractions equivalent to $\frac{1}{2}$.	15.) Jack ate 3 more berries than Jill. Jack ate 21 berries in total. Write and equation and then find out how many berries Jill ate.

5th Grade Summer Math Quiz Work Space

Use this space to show your work (if necessary) for each problem.

1.)	2.)	3.)
4.)	5.)	6.)
7.)	8.)	9.)
10.)	11.)	12.)
13.)	14.)	15.)