Hello Rising 5th Graders,

Here is your summer math packet. It is organized into weeks and there are only 5 problems to do per week so if you want to get ahead of schedule, you can. Some of the problems have "May Do" written on them. Those are optional because they are topics we did not cover, or perhaps were only mentioned in passing.

I will collect your completed packet when we get back in August.

Have fun, good luck, and have a great summer!

Best,
Damon & Banana

4th Grade 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 May Do	

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.) $\frac{9}{12} - \frac{4}{12}$	

May Do

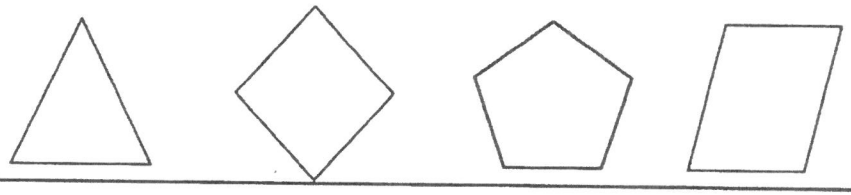
Week Three

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~~ array to multiply a.) 24 x 9 b.) 35 x 14	
Compare the fractions, use <, > or =	a.) $\frac{3}{7} \bigcirc \frac{5}{7}$ b.) $\frac{1}{9} \bigcirc \frac{1}{3}$

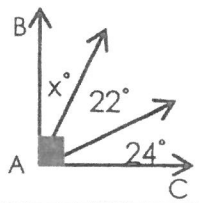
Week Five

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	<table><tr><th>Problem</th><th>Estimate</th><th>Actual Answer</th></tr><tr><td>823 – 89</td><td></td><td></td></tr><tr><td>479 + 120</td><td></td><td></td></tr></table>
Write the following as a decimal: a.) $\frac{7}{10}$ b.) $\frac{3}{10}$ May Do	
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.	

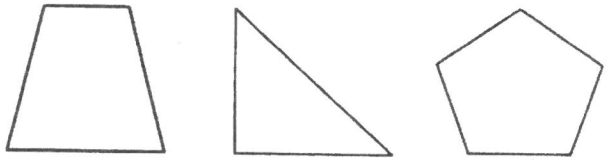
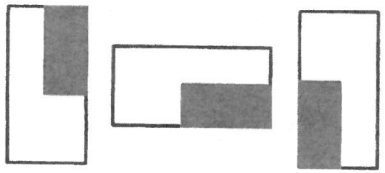
Week Six

Problem	Work & Answer
Create a line plot that shows the amount of rain that fell in Seattle over a week: $\frac{1}{4}, \frac{1}{2}, \frac{3}{4}, \frac{1}{4}, \frac{1}{4}, \frac{1}{2}, 1, \frac{1}{2}$ May Do	
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 May Do	
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 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 May Do	
Describe the pattern and draw the next figure. 	

Week Ten

Problem	Work & Answer
Draw three different examples of shapes that have perpendicular lines. May Do	
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.) $12{,}949 \times 3$	