

Summer Math Packet

Grade Five

June 15, 2009

Dear Parents,

In this packet are math activities that will help to review and maintain math skills your child learned this school year. These activities are varied and designed to show how much fun and relevant math can be in everyday life. There are activities that can be done throughout vacation, at the pool, at a restaurant, on the beach, etc. (If an activity has an asterisk *, it indicates a more challenging problem.)

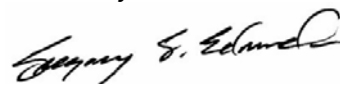
Your child should receive a math packet labeled for their September grade level. (i.e. A child who has just completed first grade will receive a second grade packet.) Students are expected to complete *at least three activities* each week. Check off each activity as you complete it. Some of the activities do not involve any written work, some can be completed right in this booklet, and others need to be done on separate paper. You may staple sheets of paper together or use a notebook (an old one is fine).

All work should be returned to your child's teacher by Friday, September 4, 2009. We will gather as a school to celebrate a successful summer and a job well done.

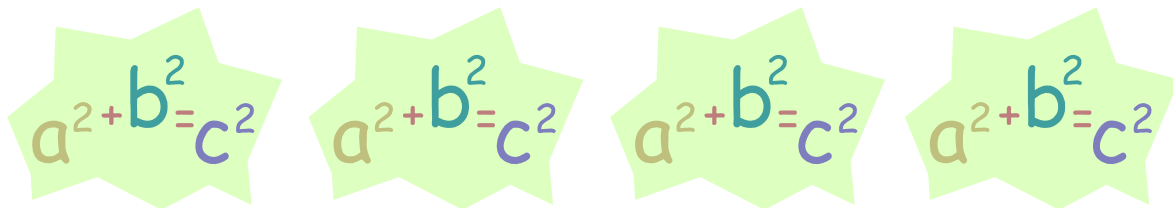
Please remember to visit Great Seneca Creek Elementary School's website over the summer. You will find connections to teacher websites and can access your summer math packets. greatsenecacreekes.org

Have a great summer!

Sincerely,



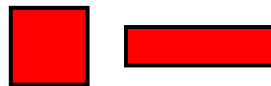
Gregory S. Edmundson
Principal



Name

Week 1

1. Use a Venn diagram to compare a square and a rectangle.
Use geometric terms.



2. Explain how you can solve these three problems using addition.

$$3 \times 4$$

$$6 \times 5$$

$$9 \times 2$$

3. Use a meter stick or yardstick to measure your bedroom. Find the perimeter and area of the total room. Find the area of your room covered by furniture. Find the area that is not covered by furniture.
4. Keep track of the time you spend on different activities for one day. Make a circle graph showing how you spent your day.
5. Solve.

$$\begin{array}{r} 2,419 \\ + 3,624 \\ \hline \end{array}$$

$$\begin{array}{r} 17,402 \\ - 9,621 \\ \hline \end{array}$$

$$\begin{array}{r} 15,499 \\ + 4,387 \\ \hline \end{array}$$

$$\begin{array}{r} 4,002 \\ - 2,849 \\ \hline \end{array}$$

Week 2

1. How old will you be on July 4, 2028?

2. Find examples of different polygons in magazines and catalogs. Make a collage. Label your shapes.



3. Look at the stripes on the American flag. What fraction represents the number of red stripes? What fraction represents the number of white stripes?

4. Draw clocks to show the following times:

11:05

10:20

6:55

7:40

12:15

3:10

5. Find the quotient of the following problems.

$81 \div 9 =$

$72 \div 9 =$

$64 \div 8 =$

$0 \div 1 =$

$56 \div 7 =$

$63 \div 9 =$

6. List ten different combinations of coins total exactly \$0.51?



Week 3

1. Make a set of multiplication flash cards or use a set you already have to complete this activity. Set a timer for three minutes. See how many facts you can answer correctly in three minutes. Do this for five days. Use a chart to keep track of your data. Make a bar graph showing your results.

2. Draw a picture to show the following fractions: $\frac{1}{2}$ $\frac{1}{4}$ $\frac{3}{4}$ $\frac{2}{3}$

3. Consider the number 812,763.

Write the number that is:

One greater _____

One less _____

1,000 greater _____

10,000 less _____

4. List fifteen different ways can you create \$1.00 using only coins.

5. If you toss a penny ten times, how many times do you predict it will come up heads? Why? Toss the penny ten times and state whether your prediction was correct.



6. Estimate the following in inches:

your height

length of your foot

distance from your elbow to the tip of your little finger

Measure to see how close your estimates were.

Week 4

1. Illustrate the following types of lines

horizontal vertical perpendicular
 intersecting parallel

2. List all of the two place decimals between 5.01 and 5.1

3. Solve.

$$\begin{array}{r} 28 \\ \times 4 \\ \hline \end{array}$$

$$\begin{array}{r} 66 \\ \times 11 \\ \hline \end{array}$$

$$\begin{array}{r} 200 \\ \times 5 \\ \hline \end{array}$$

$$\begin{array}{r} 1300 \\ \times 24 \\ \hline \end{array}$$

$$\begin{array}{r} 600 \\ \times 14 \\ \hline \end{array}$$

$$\begin{array}{r} 999 \\ \times 0 \\ \hline \end{array}$$

4. Look in magazines and newspapers to find an example of a circle graph, a bar graph, and a line graph. Explain how each is used differently.

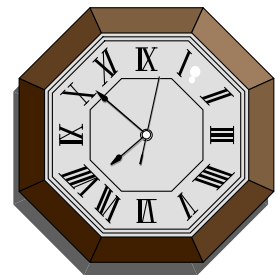
5. Use a clock to tell how many minutes are in the following parts of an hour.

$\frac{1}{6}$

$\frac{1}{3}$

$\frac{1}{2}$

$\frac{1}{4}$



6. List in order from least to greatest.

1

$\frac{1}{2}$

$\frac{2}{3}$

$\frac{1}{4}$

$\frac{5}{6}$

Week 5

1. Taylor has 4 coins. The total value is 35¢. What coins does he have?

2. Would you use kilometers, meters, or centimeters to measure each of the following?

Distance from your house to your school _____

Distance around your room _____

Length of a pencil _____

Length of a swimming pool _____

Length of a bicycle _____

Distance you traveled on your vacation _____

3. Use tape or chalk to make a number line on the sidewalk. Make 0 at the starting point and 1 at the end. Practice jumping on the number line to show where the following fractions are located:

$$\frac{1}{2} \quad \frac{1}{3} \quad \frac{3}{4} \quad \frac{2}{3} \quad \frac{1}{4}$$

Now draw a number line on paper and label those fractions.

4. Ask family and friends what their favorite summer activity is. Use a tally chart to collect your data. Make a graph of your choice to show the results. Share your graph with your family.

5. Add or subtract.

$$\begin{array}{r} 1,213 \\ + 681 \\ \hline \end{array}$$

$$\begin{array}{r} 997 \\ - 142 \\ \hline \end{array}$$

$$\begin{array}{r} 528 \\ + 315 \\ \hline \end{array}$$

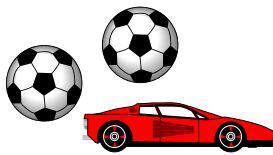
$$\begin{array}{r} 748 \\ - 206 \\ \hline \end{array}$$

Week 6

1. Write these numerals in order from least to greatest.

1,243 10,243 1,432 102,043 1,023

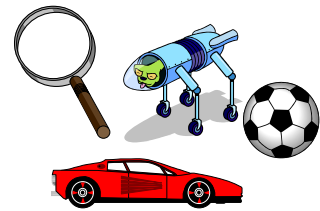
2. Look at the three sets of toys below. What members of Meghan's set are also in Marc's set? What members of Brian's set are not in either Meghan's or Marc's?



Meghan



Marc



Brian

3. Draw a picture to show $\frac{11}{4}$. What mixed numeral is another name for $\frac{11}{4}$?

4. Round each of the following numbers to the nearest hundred.

7,342 959 8,099 5,043 439 562

5. Look at a supermarket flyer to locate two items advertised that can be purchased for under \$5.00. Pretend you purchased those items and give the cashier a five-dollar bill. What change would you get back?

6. Multiply or divide.

$\begin{array}{r} 2,476 \\ \times 9 \\ \hline \end{array}$	$\begin{array}{r} 12,098 \\ \times 6 \\ \hline \end{array}$	$\begin{array}{r} 46,109 \\ \times 8 \\ \hline \end{array}$	$\begin{array}{r} 7,056 \\ \times 10 \\ \hline \end{array}$	$3,678 \div 4$	$6,209 \div 7$
				$8,099 \div 5$	$3,007 \div 2$