Name: _____

SUMMER REFRESHER WORK
FOR STUDENTS ENTERING
GRADE 4

Dear St. Stephen's Students,

Surely you would never go an entire summer without reading, right? And so, you should also not pass an entire summer without keeping up with your math skills. Please complete this packet and bring it to your math teacher when school begins in September. This will help you maintain all of the great knowledge you learned in the third grade. If you work the problems on looseleaf please staple it to this packet. Have a wonderful summer and keep calculating.

Mrs. Tappert, The Math Coach

Enjoy the story below and fill in the blanks with the answers to the questions.

It's 8 a.m. on a Monday morning. Your first day of camp starts in 1 hour and 30 minutes. What time will that be? _____ You live so close to camp it only takes 15 minutes to get there. What time will you leave your house? _____ You are so excited. You can't wait until it's time for swimming. That is one hour after camp begins. What time will that be? _____ Swimming last for 75 minutes. What time does it end, because when it does it will be time for lunch? _____

You will spend 7½ hours at camp each day. What time will it be when you get picked up this afternoon? _____

Write the name of the place value position of each of the underlined digits.

7<u>5</u>2 _____ 34<u>6</u> _____ <u>9</u>87 _____

Round each number to the nearest 10.

53 _____ 42_____ 76 _____ 88_____ 99 _____

You and a friend went to the movies. Your tickets cost $4.25 each. You decided to share a popcorn which cost $1.25 and you each got a drink for $1.75. How much did the two of you spend altogether?

_____

You paid for the movie and snacks with a $20 bill. How much change did you have left over?

_____

The movie started at 1:30 p.m. It lasted for 95 minutes. What time did it end? Draw a clock to show what time it ended.

_____
Ending time

Complete the following addition problems. Don't forget to show your regrouping if you need to.

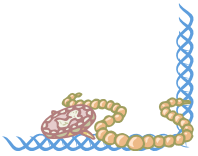
475	628	3,404	8,113	222	617
+386	+172	+2,907	+1,967	+4,599	+9,386

At Sammy's Wheel Shop, Sammy makes wagons and tricycles using old wheels he saves. He has 41 wheels and wants to make some tricycles and some wagons. Each tricycle uses 3 wheels and each wagon uses 4 wheels.

If Sammy uses all 41 wheels, how many tricycles and how many wagons can he make? Is there more than one way he can do this?

Sophia is making a bead bracelet for her mother. She strings two red beads, then one yellow bead, two red beads, then one yellow bead, and so on. She wants to use 24 beads in all to make the bracelet.

How many of each color bead does Sophia need?



Multiplication can be fun. Try this tic, tac, toe multiplication game with a parent, sibling, or friend. You can make up more boards yourself. Call out the product you want and fill in your square with an "x" or an "o". You win by having a straight line horizontally, vertically, or diagonally.

x	9	6	8
4			
8			
6			

x	7	9	5
8			
4			
7			

x			

x			

x			

x			

÷			

÷			

Don't forget to keep practicing your multiplication and division tables. Using flashcards over the summer is a great idea. Practice with a friend. Make it fun!

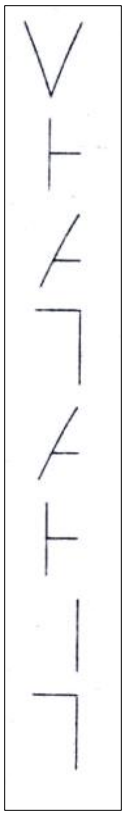
Hernando is using nickels to make a triangle pattern. He puts one nickel at the top. He uses two nickels for the second row. He uses three nickels to make the third row.

If the pattern continues, how much is his triangle worth when he completes six rows?

Complete the following subtraction problems. Show your regrouping.

862	603	400	215	4,100	7,329	8,080
–347	–319	–167	– 93	–2,331	–6,458	–2,905

Isabella likes to send messages in code. She uses letters from the Newspaper and cuts them in half. Her friend, James, is on the school's baseball team. Last week, he hit two home runs in a game. When he got home, he found a secret message from Isabella.



What did the message say?

Now make up a secret code of your own!

Let's practice some times tables.

2x 9=	2x2 =	4 x 3 =	4 x 4 =	7 x 5 =	2 x 6 =
3 x 7 =	5 x 8 =	4 x 9 =	9 x 10 =	1 x 11 =	4 x 12 =

3 x 3 =	8 x 2 =	5 x 3 =	6 x 4 =	4 x 5 =	7 x 6 =
8 x 7 =	3 x 9 =	5 x 9 =	3 x 10 =	2 x 11 =	3 x 12 =

Use a ruler to measure 5 items in your house to the nearest inch. Write below what they are and how long each item is.

Neil is collecting old newspapers for a recycling drive. The first week, he saves a stack of papers that is 5 inches high and weighs 8 pounds. If he continues to collect the same amount of papers each week, how many weeks will it take him to save a stack of newspapers that is 35 inches high? How much will the stack weigh?

4 x 4 =	7 x 2 =	12 x 3 =	8 x 4=	8 x 9 =	4 x 7 =
7 x 7 =	12 x 8 =	9 x 9 =	10 x 10 =	11 x 11 =	12 x 12 =

Sean works at the circus. He is putting up tent poles for the large rectangular tent where the audience will sit to watch the show. He has already completed putting in the poles for one side of the tent. He placed eight poles 15 feet apart from each other.

How long is the tent?

5x 1 = 2 x 2 = 5 x 3 = 6 x 4 = 9 x 5 = 8 x 6 =

5 x 7 = 5 x 12 = 3 x 9 = 8x 10 = 6 x 11 = 7 x 12 =

Grab some counters from your house (they could be buttons or coins or pieces from a board game) to figure out the following fraction problems.

Find $\frac{1}{2}$ of 12. (This is actually the same as 12 ÷ 2, isn't it?)

Now find $\frac{1}{3}$ of 9.

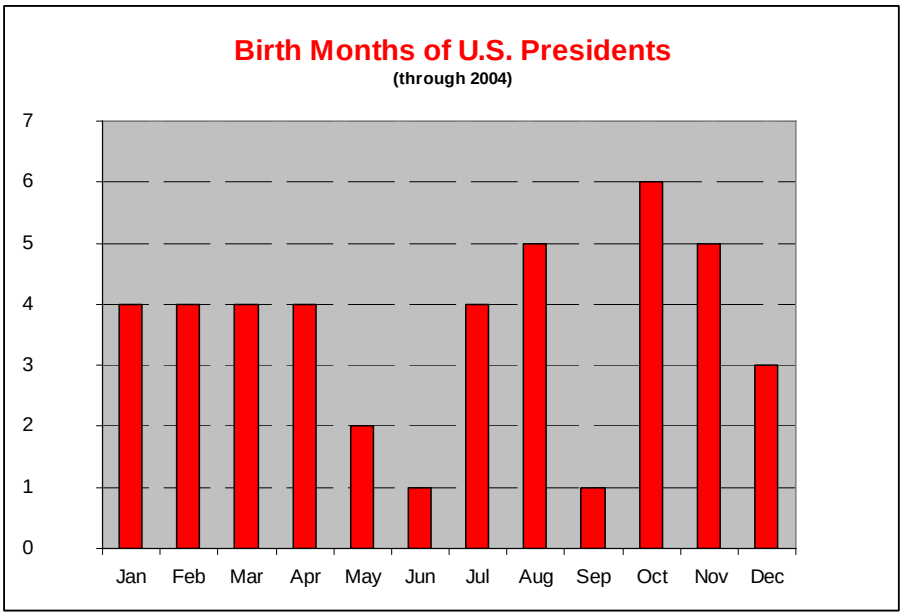
And this time find $\frac{2}{3}$ of 12.

Last pair, find $\frac{1}{4}$ or 16.

Finally, find $\frac{3}{4}$ of 20.

6 x 7 =	8 x 2 =	9 x 3 =	7 x 4 =	6 x 3 =	5 x 6 =
7 x 7 =	8 x 8 =	4 x 9 =	3 x 10 =	5 x 11 =	2 x 12 =

The bar graph below shows the birth months of the U.S. presidents. Were more presidents born in July and November or in January and May? How many more?



Oops. We almost forgot to practice some division. Remember it is just the opposite of multiplying. So give it a try:

36 ÷ 4 =	28 ÷ 4 =	48 ÷ 6 =	12 ÷ 3 =
64 ÷ 8 =	49 ÷ 7 =	72 ÷ 9 =	16 ÷ 4 =

Write in some more division facts that you have learned.

Zach wants to make an ice cream sundae. He has two flavors of ice cream in his freezer: chocolate and vanilla. He has two toppings on the counter: butterscotch and strawberry. He picks an ice cream and a topping without looking.

How many different sundaes can Zach make? What are the chances that he will have chocolate ice cream with strawberry topping?

Jillian bought six animal stickers. She gave the clerk a $1 bill and received $0.52 change.

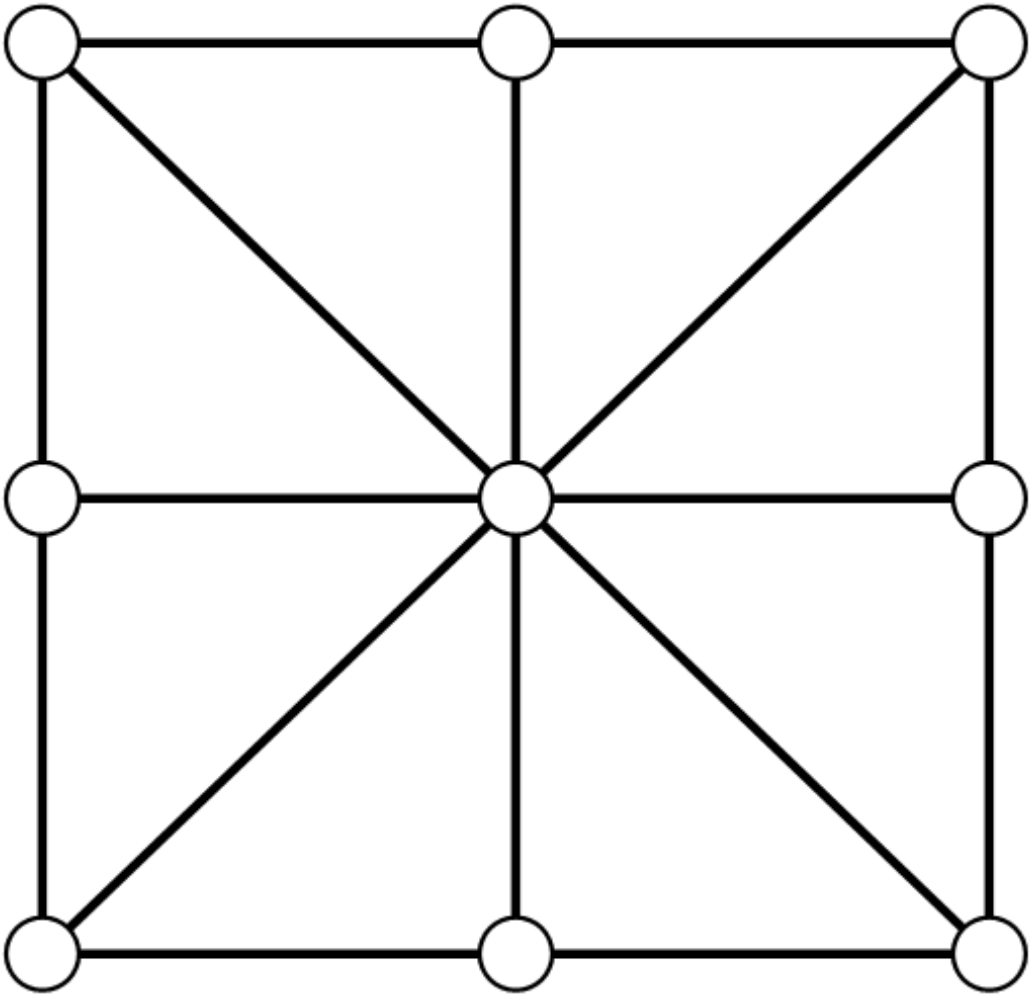
What was the cost of each sticker?

Suzanne has exactly six coins in her purse that add up to $0.75. Three of the coins are a quarter, a dime, and a nickel.

What are the other three coins?

Here's a fun game to play called TAPATAN.

Each person will need 3 markers to play (for example 3 quarters and three pennies). The idea of the game is to arrange your markers in a row along any of the TAPATAN board lines. You can get three in a row horizontally, diagonally, or vertically.
When the game begins the board is blank. You and your opponent take turns placing one marker at a time on any of the TAPATAN board points. When all six pieces are placed, you take turns sliding from point to point along the board lines. You cannot jump over another marker. You take turns sliding pieces until one player gets three in a row or until you declare a stalemate.
This is a simple game with only 6 pieces and nine places to put them but it can be lots of fun to play.



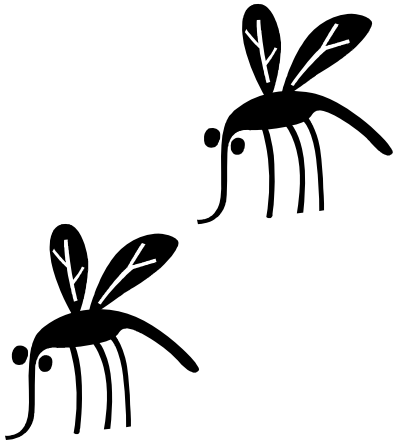
Twenty scouts were at camp standing in a straight line. They were waiting their turn to climb on the rock wall. Two mosquitoes flew by. When they saw the scouts, Ritchie said to Itchie, "Ah, lunch! I'll bite every other scout beginning with scout number 2." "That's a great idea," said Itchie. "I'll bite every third scout beginning with number 3."

Which scouts were bitten only one time?

Which were bitten exactly two times?

Which were bitten exactly three times?

Were some scouts not bitten at all?



HAVE A GREAT SUMMER! DON'T FORGET TO BRING THIS WORK IN TO YOUR 4TH GRADE TEACHER.

SEE YOU IN SEPTEMBER. KEEP PRACTICING YOUR TABLES!!!!!