



Bayonne Public Schools

667 Avenue A.
Bayonne, New Jersey 07002

Dawn Aiello
Director of Mathematics

(201)-858-5920
daiello@bboed.org

Dear Parents/Guardians,

As the end of the school year approaches, the Mathematics department has prepared a Summer Bridges Packet for your child to complete over the summer months.

These packets are:

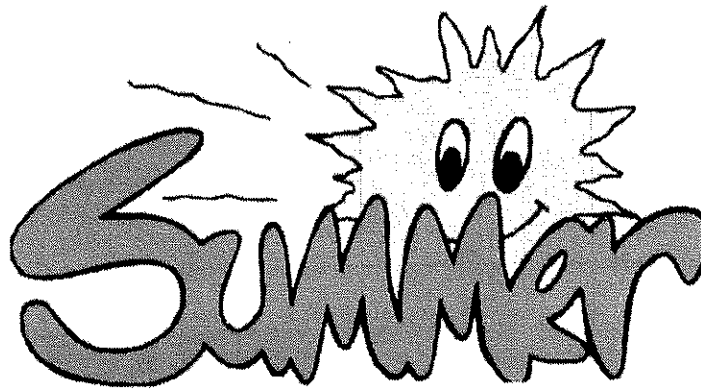
- To reinforce previous mathematics topics they learned throughout the year
- To keep mathematics topics current
- To move forward with new mathematics vocabulary words to prepare students for future mathematics success

All assignments must be presented to your child's mathematics teacher no later than **September 18, 2019**. The packet will be graded. Students must show work for credit. In addition, students will receive a maximum of 10 points towards the first mathematics assessment in marking period one based on the correct completion of the summer bridges assignment.

A handwritten signature in black ink, appearing to read "Dawn Aiello".

Dawn Aiello
Director of Mathematics

"The Bayonne Public School Family- Moving From Good to Great"



Bridges
Grade 1
Into
Grade 2

Name _____

School _____

Bridges to Success

Activity 1 - Find the Math Fact Family	Page 1
Activity 2 - Coin Challenge	Pages 2-3
Activity 3 - Summer Activity Graph	Page 4
Activity 4 - Basic Skill Worksheets	Page 5-11
Activity 5 - New Vocabulary!	Page 12
Activity 6 - Math Summer Fun!	Page 13
Activity Log	Page 14
Rubric for Activities	Page 15

Find the Math Fact Family

Second-graders are more likely to tune into math facts if practice is presented as a game. In addition, the practice session flies by because you and your child are having a blast! Here's an activity that puts it all together.

What you need:

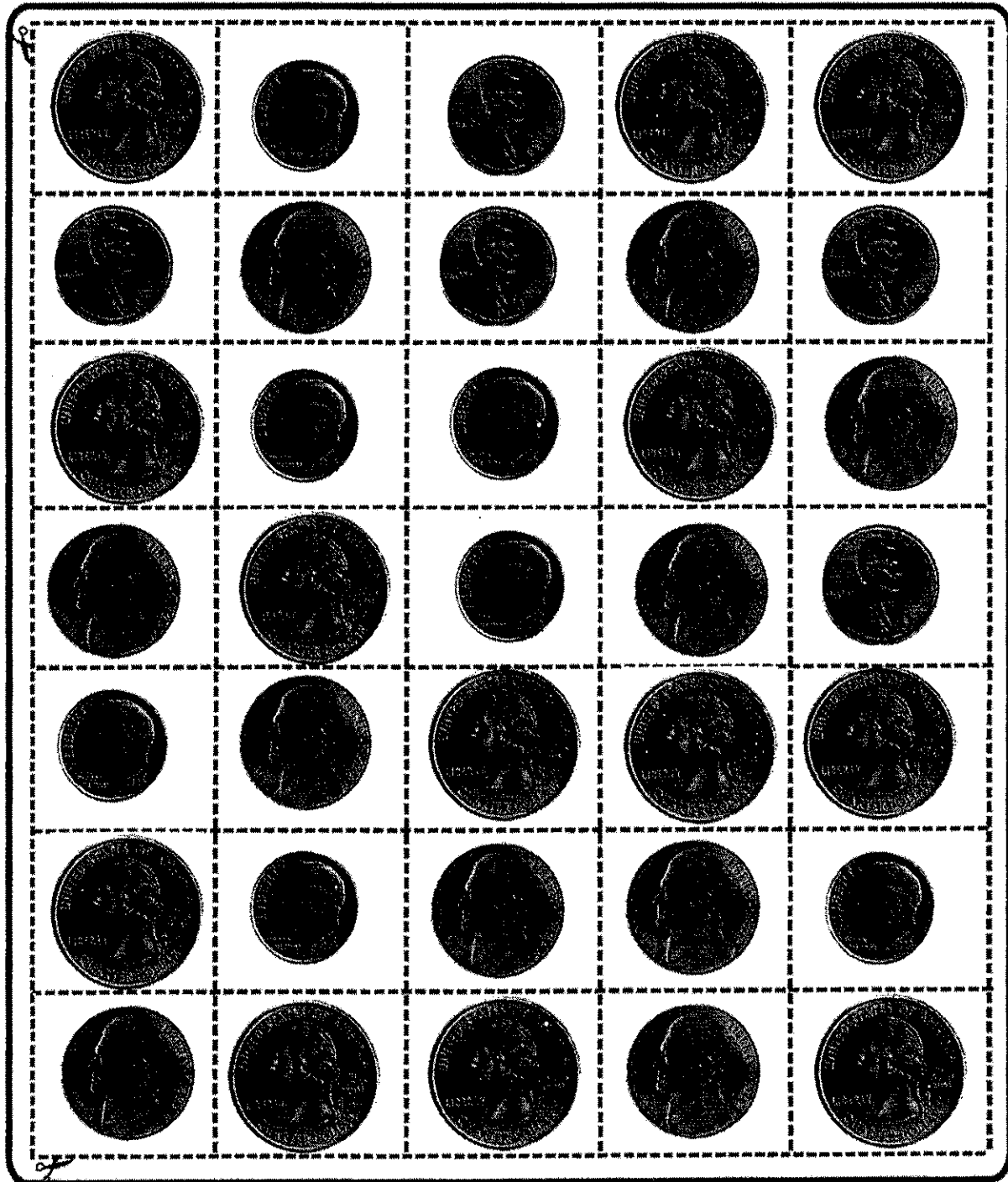
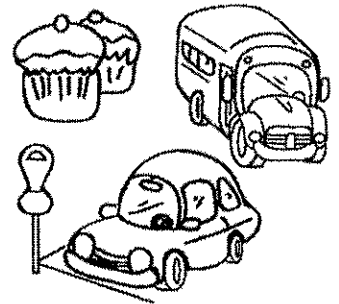
- Paper
- Pencils
- Fact family strips

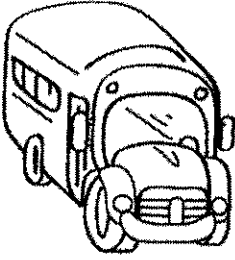
What you do:

1. Cut paper and make several (20-30) "fact family strips" that contain three numbers in a fact family and one number that does not. Ex - 3, 6, 8, 9
2. Before beginning the game, review basic fact families with your second-grader.
3. Explain the rules of the game to your child. He/she will be given a group of four numbers, three that belong and one that doesn't. The player must correctly identify the number that doesn't belong and then state an addition or subtraction fact using the numbers. Set a timer for 2 minutes and count the number of strips in which he/she correctly identified.
4. This game can be on going over several days. Keep track of the time and records your child sets on the back of this sheet. Each night, challenge your child to beat his/her record!

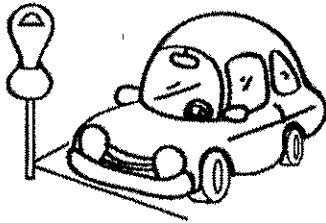
Coin Challenge: City Trip

There are a lot of activities going on in the city.
Count the coins in your pocket so you are well-prepared for the trip.
Cut out each coin and paste it in the space on the next page to answer the questions.





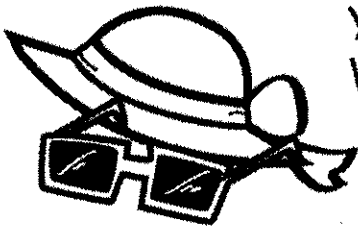
A bus ticket fare is \$0.75 for one ride.
What coins could you use?



A parking space costs \$0.50 per hour.
you need to park for 3 hours.
What coins could you use?


















A baker sold you two cupcakes for \$4.88.
You gave him a \$5 bill.
What coins could the baker use to give you change?



A pair of sunglasses and a hat cost \$19.35.
You give the cashier a \$20 bill.
What coins could the cashier give you change?

ACTIVITY 1

Have your child take a survey of family and friends and use the information to create a picture graph. For example, he or she might ask people to name their favorite summer activity or the child might ask people to choose from a specific list of activities, such as swimming, sailing, hiking, playing baseball, or reading. The child should keep a tally of answers, and then make a picture graph to represent the results of the survey.

swimming					
sailing					
hiking					
playing baseball					
reading					

Pineapple Math

Add the numbers.

$$\begin{array}{r} 25 \\ + 43 \\ \hline \end{array}$$

$$\begin{array}{r} 71 \\ + 26 \\ \hline \end{array}$$

$$\begin{array}{r} 54 \\ + 32 \\ \hline \end{array}$$

$$\begin{array}{r} 30 \\ + 18 \\ \hline \end{array}$$

$$\begin{array}{r} 51 \\ + 46 \\ \hline \end{array}$$

$$\begin{array}{r} 47 \\ + 22 \\ \hline \end{array}$$

$$\begin{array}{r} 68 \\ + 10 \\ \hline \end{array}$$

$$\begin{array}{r} 32 \\ + 54 \\ \hline \end{array}$$

$$\begin{array}{r} 70 \\ + 17 \\ \hline \end{array}$$

$$\begin{array}{r} 83 \\ + 16 \\ \hline \end{array}$$

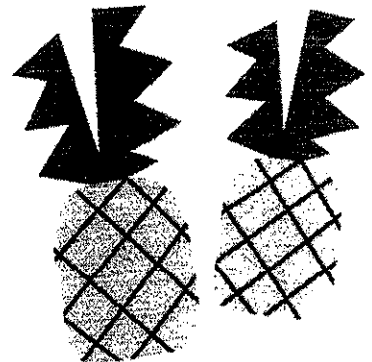
$$\begin{array}{r} 25 \\ + 44 \\ \hline \end{array}$$

$$\begin{array}{r} 69 \\ + 20 \\ \hline \end{array}$$

$$\begin{array}{r} 48 \\ + 31 \\ \hline \end{array}$$

$$\begin{array}{r} 36 \\ + 52 \\ \hline \end{array}$$

$$\begin{array}{r} 57 \\ + 21 \\ \hline \end{array}$$



Cow Subtraction

Help Cory the Cow subtract the numbers.

$$\begin{array}{r} 35 \\ - 14 \\ \hline \end{array}$$

$$\begin{array}{r} 69 \\ - 28 \\ \hline \end{array}$$

$$\begin{array}{r} 54 \\ - 12 \\ \hline \end{array}$$

$$\begin{array}{r} 78 \\ - 22 \\ \hline \end{array}$$

$$\begin{array}{r} 46 \\ - 11 \\ \hline \end{array}$$

$$\begin{array}{r} 91 \\ - 51 \\ \hline \end{array}$$

$$\begin{array}{r} 47 \\ - 14 \\ \hline \end{array}$$

$$\begin{array}{r} 75 \\ - 50 \\ \hline \end{array}$$

$$\begin{array}{r} 26 \\ - 16 \\ \hline \end{array}$$

$$\begin{array}{r} 98 \\ - 66 \\ \hline \end{array}$$

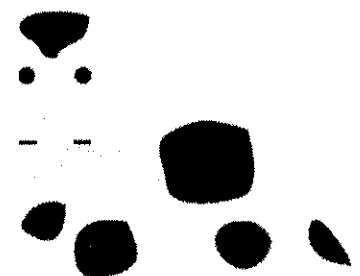
$$\begin{array}{r} 39 \\ - 27 \\ \hline \end{array}$$

$$\begin{array}{r} 63 \\ - 41 \\ \hline \end{array}$$

$$\begin{array}{r} 55 \\ - 34 \\ \hline \end{array}$$

$$\begin{array}{r} 76 \\ - 32 \\ \hline \end{array}$$

$$\begin{array}{r} 81 \\ - 71 \\ \hline \end{array}$$



Toy Store

Sally and her friends are at the toy store. Answer each problem about **making change**. Show your work!



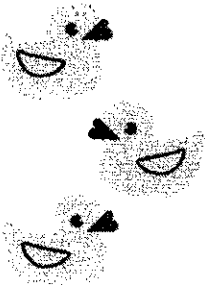
Sally has 65 cents. If she buys a teddy bear for 32 cents, how much change will she get back?



Alex has 82 cents. If he buys a ping-pong ball set for 64 cents, how much change will he get back?



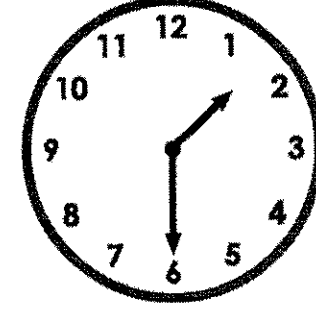
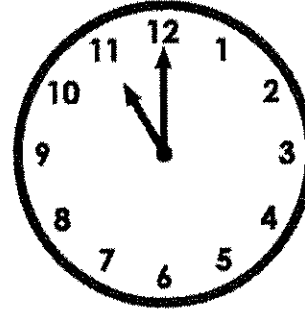
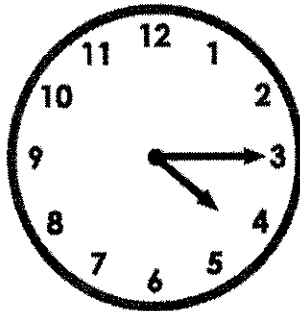
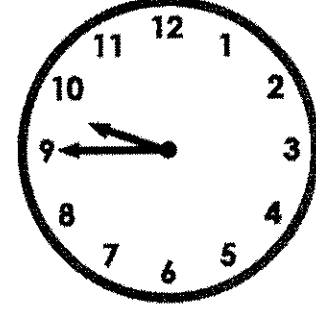
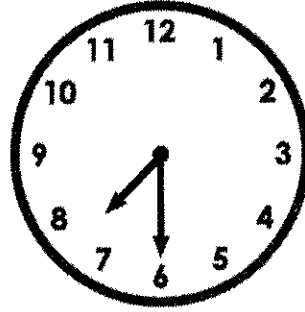
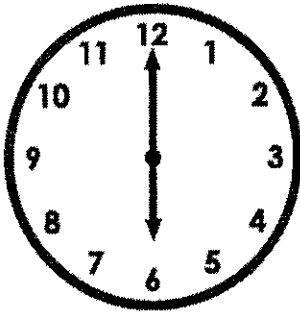
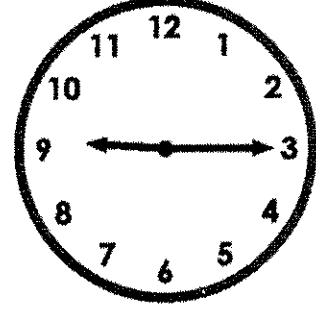
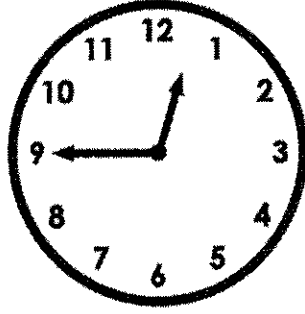
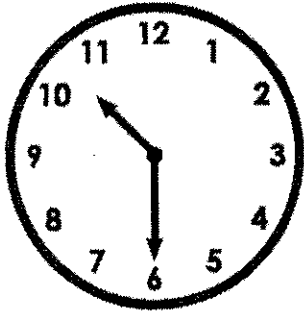
Devon has 76 cents. Each beach ball costs 35 cents. If he buys two beach balls, how much change will he get back?



Maria has 98 cents. She wants to buy three rubber ducks. Each rubber duck costs 32 cents. Does she have enough money?

Tell the Time! I

Write the time underneath each clock.

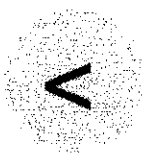


Add and Compare

Add these numbers. Then compare the answers with these signs:

Equal (=) Greater than (>) Less than (<)

$$\begin{array}{r} 17 \\ + 37 \\ \hline 54 \end{array}$$



$$\begin{array}{r} 77 \\ + 81 \\ \hline 158 \end{array}$$

$$\begin{array}{r} 98 \\ + 80 \\ \hline \end{array}$$



$$\begin{array}{r} 83 \\ + 42 \\ \hline \end{array}$$

$$\begin{array}{r} 60 \\ + 97 \\ \hline \end{array}$$



$$\begin{array}{r} 30 \\ + 47 \\ \hline \end{array}$$

$$\begin{array}{r} 45 \\ + 33 \\ \hline \end{array}$$



$$\begin{array}{r} 38 \\ + 79 \\ \hline \end{array}$$

$$\begin{array}{r} 69 \\ + 77 \\ \hline \end{array}$$



$$\begin{array}{r} 70 \\ + 40 \\ \hline \end{array}$$

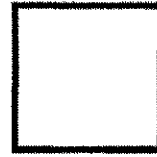
$$\begin{array}{r} 38 \\ + 31 \\ \hline \end{array}$$







$$\begin{array}{r} 28 \\ + 87 \\ \hline \end{array}$$

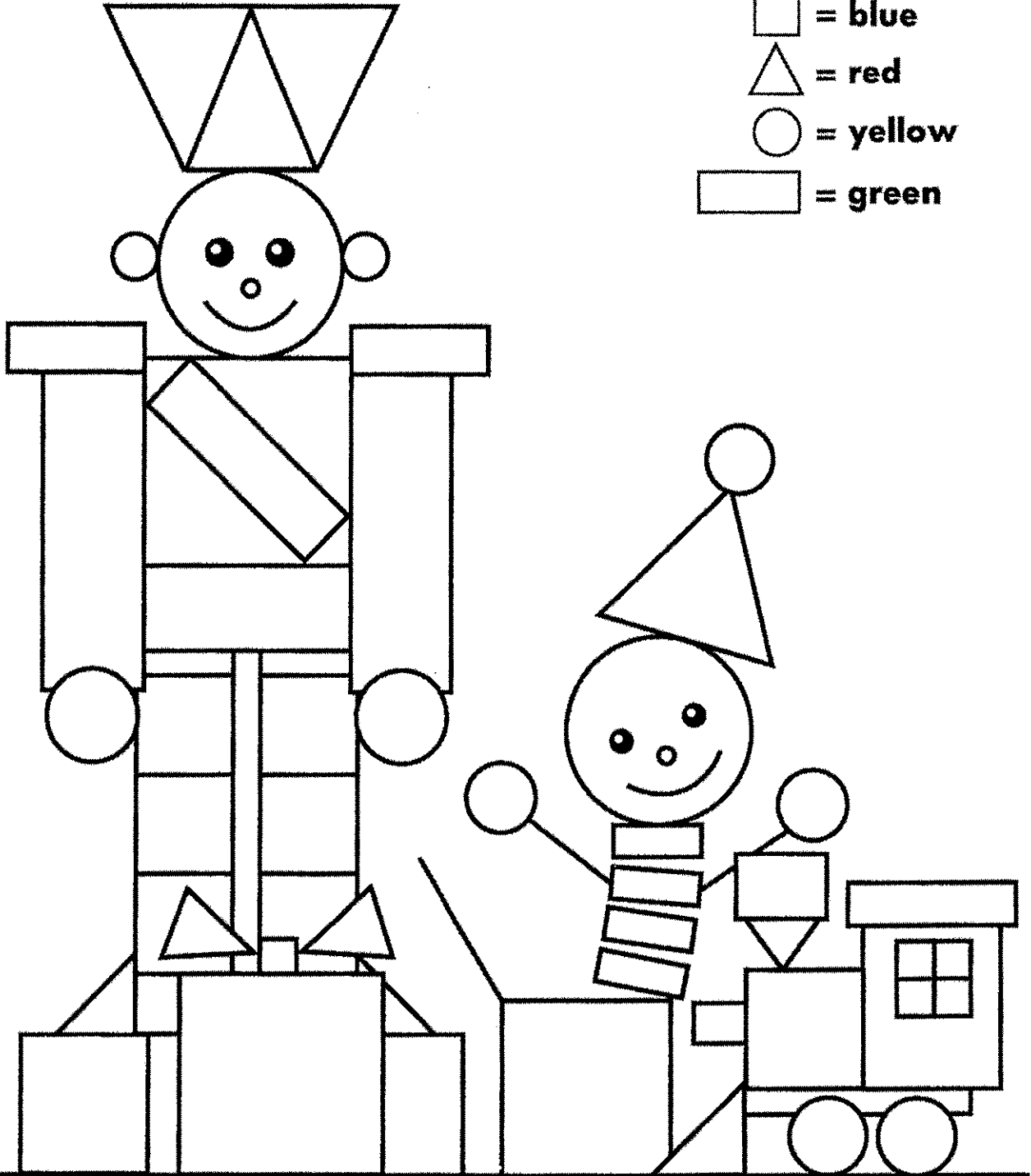
Name _____ Date _____

A **plane** figure is a shape that is two-dimensional, or flat.



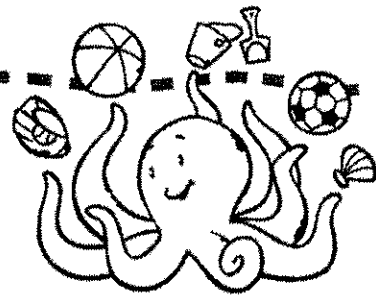
Use the code to color the shapes.

-  = blue
-  = red
-  = yellow
-  = green



Name _____ Date _____

Read each problem. Write the answer.



1. Eric left home at 11 o'clock. It took 1 hour to get to the beach. What time did Eric get to the beach?

2. Kate goes to camp at 8 o'clock. Pat goes to camp at 9 o'clock. Who goes to camp first?

3. Samir got to the park at 3 o'clock. He went home at 5 o'clock. For how long was Samir at the park?

4. The soccer game starts at 6 o'clock. It ends one hour later. What time does the soccer game end?

5. Meg left home at 9 o'clock. It took her 2 hours to get to Aunt Lin's. What time did Meg get to Aunt Lin's?

6. Ben went to the pool at 2:00. He stayed for 1 hour. What time did Ben go home?

New Math Vocabulary!

Decimal point - a decimal point separates the cents from the dollars

Difference - the result when one number is subtracted from another

Equal parts - each part is the same size

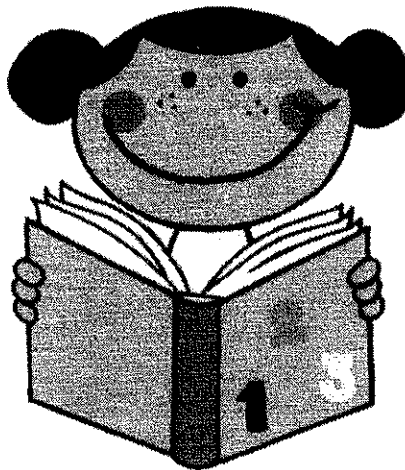
Estimate - a number close to an exact amount

Fact family - a group of related facts

Fraction - a number that names equal parts of a whole

Sum - the result when numbers are added

Whole - describes an entire figure and is equal to one



Math Summer Fun!

The theme here is fun math books. Thus, if a book says something like "this is a division sign," you will not find the book on this list. These books get kids thinking about numbers and problem solving in neat ways without realizing that they are learning math. Pick up one of these books today to read with your child!



The Doorbell Rang
by Pat Hutchins



Measuring Penny by Loreen Leedy. My four-year-old daughter has really gotten excited about this book. We have a hard time finishing it before she runs off and starts measuring things. *Measuring Penny* introduces kids to the various ways things can be measured (e.g. length, weight, volume, etc.) and to measuring with both standard and nonstandard units. See also *How Big is a Foot?* by Rolf Myller, a story that illustrates the importance of establishing a standard unit to measure with. Ages 3+ (measuring)

The Doorbell Rang by Pat Hutchins. In *The Doorbell Rang*, a plate of chocolate chip cookies must be divided among an increasing number of guests. This book leads naturally to discussions of dividing up things encountered in real life (e.g. a set of toy cars among three kids). Ages 4+ (division)

One Is a Snail Ten Is a Crab by April Pulley Sayre, Jeff Sayre, and Randy Ceetil. I love this book! It is both amusing and educational to think about counting in terms of animals with various numbers of feet. E.g. "5 is a dog [with 4 feet] and a snail [with 1 foot]." *One Is a Snail Ten Is a Crab* is valuable for teaching kids addition and multiplication. While the book's final pages depict challenging math problems, this book can be enjoyed by young children who are just learning to count to ten. Ages 4+ (counting, addition, multiplication)

Or you can check out these cool math websites!

- <http://www.ixl.com/math/grade-2>
- <http://www.teachrkids.com/>
- <http://www.funbrain.com/brain/MathBrain/MathBrain.html>
- <http://kidsmathgamesonline.com/>

Activity Log

Week	Activity	Parent Signature
1		
2		
3		
4		
5		
6		
7		
8		

Rubric for Activities

5=100

The student achieves clear and correct solutions. All activities are completed.

4=90

The student achieves clear and correct solutions. Most of the booklet is completed.

3=80

The student demonstrates some understanding of the tasks. The booklet has minor errors or omissions.

2=70

The student has partial understanding of the tasks performed. The booklet is somewhat complete.

0=60

The student shows no evidence of a booklet or understanding of the mathematics in the task.

Teachers will use these criteria to grade your child's Summer Math Project.