Get Ready for 1st Grade!
Summer Mathematics Activities

Dear Parents, Guardians, and Students,

Summer is a time to relax, explore, and have fun while keeping learning skills strong. Research shows that students can lose up to a month of math learning over the summer. Regular math practice helps students maintain their knowledge and confidence and prepare for the next grade. To help prevent this "summer slide," we have provided a variety of fun and engaging math activities for students to enjoy throughout the summer.

Daily Math Practice

We encourage students to complete one First in Math assignment each day to strengthen their math skills and build fluency.

Using the Summer Math Activity List

- Complete the activities in the boxes and cross off each activity as it is completed.
- Have fun completing a choice activity.
- Record completed activities on the activity log.
- Bring your completed log to school and show it to your new teacher to receive a special gift!

Helpful Materials

Keep these items nearby as you complete your summer math activities:

- Math notebook/journal from the school year
- A folder for organizing activities
- Blank paper
- Pencils
- A deck of playing cards
- Board games
- Coins

Our IB Transdisciplinary Theme, *How We Express Ourselves*, encourages scholars to explore, communicate, and apply ideas. Mathematics offers opportunities for creativity, problem-solving, and critical thinking. Whether cooking, shopping, traveling, or playing games, children can think mathematically in everyday situations.
Most importantly, encourage your child to explain their thinking as they solve problems. Asking questions such as, "How did you figure it out?" helps deepen understanding, build confidence, and strengthen mathematical reasoning.

We wish you a safe, enjoyable, and mathematically engaging summer!
Sincerely,

The Hempstead Public Schools Mathematics Team

Summer Math Activity Log

Activity log for student entering grade_____. Record the dates and descriptions of the math activities you complete. Bring this log back to your new teacher in September.

Activity #	Date Completed	Description of Activity
Example	**7/2/24**	**The Math Problem about drawing 2 dogs. *OR* choice activity, like Candy Land…**
#1		
#2		
#3		
#4		
#5		
#6		
#7		
#8		
#9		
#10		
#11		
#12		
#13		
#14		
#15		
#16		
#17		
#18		
#19		
#20		

Student's Name: _____

Parent Signature: _____

Summer Math Activity Log

Activity log for student entering grade_____. Record the dates and descriptions of the math activities you complete. Bring this log back to your new teacher in September.

Activity #	Date Completed	Description of Activity
#21		
#22		
#23		
#24		
#25		
#26		
#27		
#28		
#29		
#30		
#31		
#32		
#33		
#34		
#35		
#36		
#37		
#38		
#39		
#40		

Student's Name: _____

Parent Signature: _____

Get Ready for Grade 1: Math Activities

Complete these math activities this summer. Each time, choose an activity from the boxes below – or from the back. Cross off a box when you do it and record the activity on your math log.

Draw a picture to show this problem: I have 3 cookies and my sister has 4 cookies. How many cookies do we have together?	Choose from the Problem Set! 	Draw, label, and color shapes to make a Fourth of July picture.	Choose from the Problem Set! 	Choose from the Problem Set! 
Choose from the Problem Set! 	Do counting jumps. Count to 20 and back again.	Choose from the Problem Set! 	Draw a picture of 2 dogs. How many legs?	Choose from the Problem Set! 
Write numbers from 0 to as high as you can in no more than one minute	Choose from the Problem Set! 	Measure a table with spoons and then with forks. Which did you need more of? Why?	Choose from the Problem Set! 	Do jumping jacks as you count up by tens to 50 and back down to 0.
Choose from the Problem Set! 	Go on a shape scavenger hunt. Find as many rectangles, triangles, and circles as you can.	Choose from the Problem Set! 	Draw 7 objects. Add 3 more objects to the picture. Count the objects. How many do you have	Choose from the Problem Set! 
Draw 3 cats and 2 dogs. How many tails? How many eyes?	Choose from the Problem Set! 	Measure the route from your bathroom to your bed. Walk heel to toe and count your steps.	Practice counting from numbers other than 1. Start at 4. Start at 17. Start at 32. Can you count backwards from 17 & 32?	Choose from the Problem Set! 
Choose from the Problem Set! 	Make up your own story problem that goes with 4 + 6.	Choose from the Problem Set! 	Make a picture using 2 circles, 3 triangles, & some rectangles. Explain to a friend how you made it.	Choose from the Problem Set! 

Get Ready for Grade 1

Choice Activities

1. **Read a Cool Mathematics Book:**

A Chair for My Mother by Vera B. Williams	Out for the Count by Kathryn Cox
Benny's Pennies by Pat Brisson	Pattern Fish by Trudy Harris
Brown Bear, Brown Bear, What do you See? by Eric Carle	Rooster's Off to See the World by Eric Carle
Chick Chicka 1-2-3 by Bill Martin	Ten Flashing Fireflies by Hilemon Sturges
Emeka's Gift by Ifeoma Onyefulu	The Greedy Triangle by Marilyn Burns
Inch by Inch by Leo Leonni	The Very Hungry Caterpillar by Eric Carle
My Painted House, My Friendly Chicken, and Me by Maya Angelou	This is the Way We go to School by Edith Baer

2. **Use a cool mathematics website for 30 minutes!**

http://www.gregtangmath.com/games	www.mathplayground.com
http://www.abcya.com/preschool_games.htm	www.funbrain.com
www.coolmath4kids.com	www.zearn.org
https://www.firstinmath.com/	

3. **Do a counting activity or game:**

Compare – Deal all the cards out. Put the set of cards facedown. Both players turn over the top card. The player with the larger number gets both cards. If they are the same number both players turn over another card. The game is over when there are no more cards to turn over. Whoever has the most cards, wins. (Like "War.")

Race and Roll Addition - Start at 0. Partners take turns rolling a die, saying a number sentence, and adding the number rolled to the total. For example, Partner A rolls 6 and says, "0 + 6 = 6," then Partner B rolls 3 and says, "6 + 3 = 9." They continue rapidly rolling and saying number sentences until they get to 20, without going over. For example, if the partners are at 18 and roll 5, they take turns rolling until one of them rolls a 2 or rolls 1 twice. The winner is the partner who makes the final roll to make 20. **Extension: Play with two dice and roll to 50.**

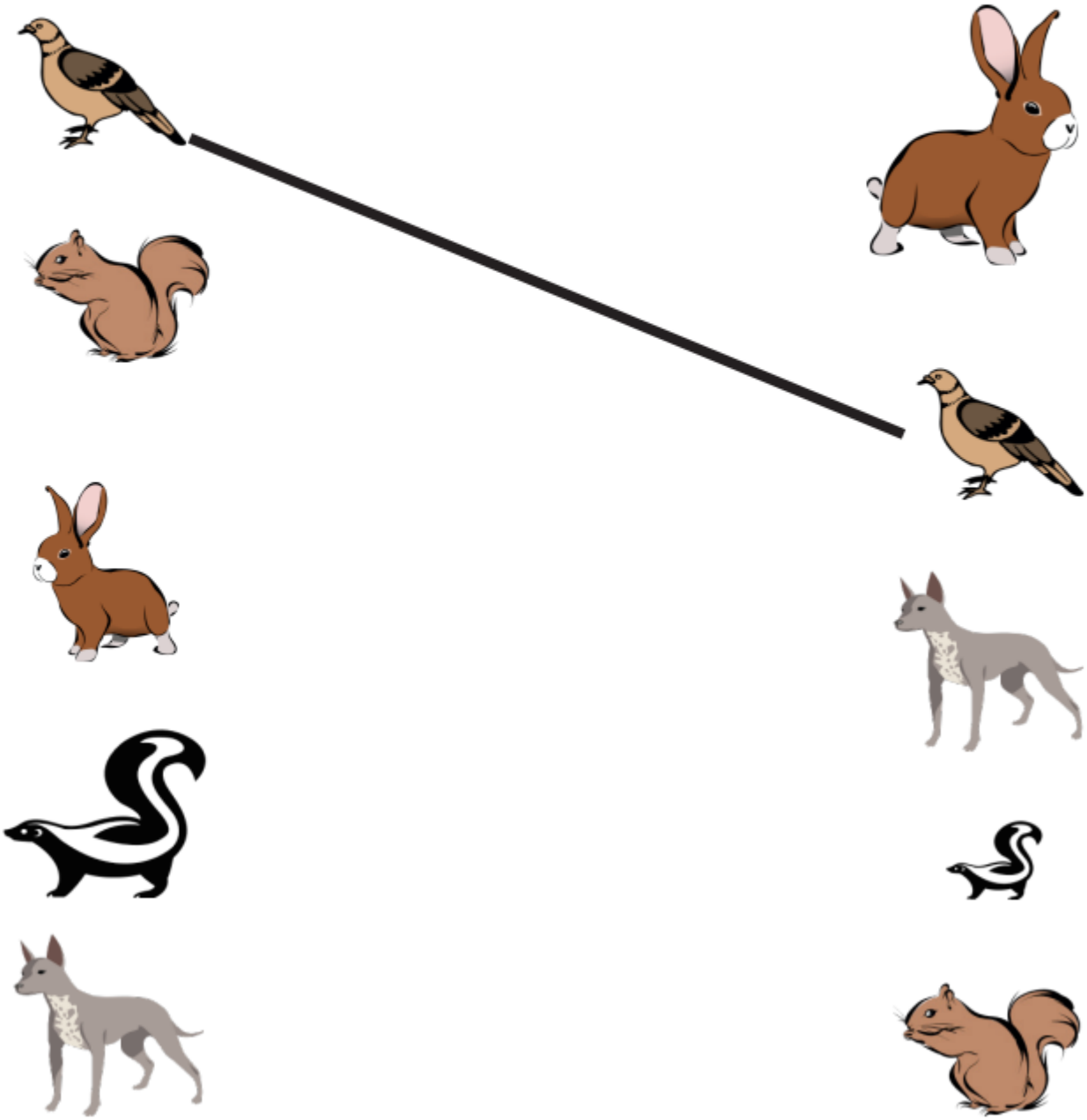
Race and Roll Subtraction - Start at 20. Partners take turns rolling a die, saying a number sentence, and subtracting the number rolled from the total. For example, Partner A rolls 6 and says, "10 - 6 = 4," then Partner B rolls 3 and says, "4 - 3 = 11." They continue rapidly rolling and saying number sentences until they get to 0. The winner is the partner who makes the final roll to make 0. **Extension: Play with two dice and start at 50**

Play a board game such as: Checkers, Memory, Chutes and Ladders, jigsaw puzzles, Parcheesi, Fish, Crazy Eights, Candy Land, Connect Four, Legos, K'Nex.

PROBLEM SET

Name _____ Date _____

Find animals that are exactly the same. Then, find animals that look like each other but are not exactly the same. Use a ruler to draw a line connecting the animals.



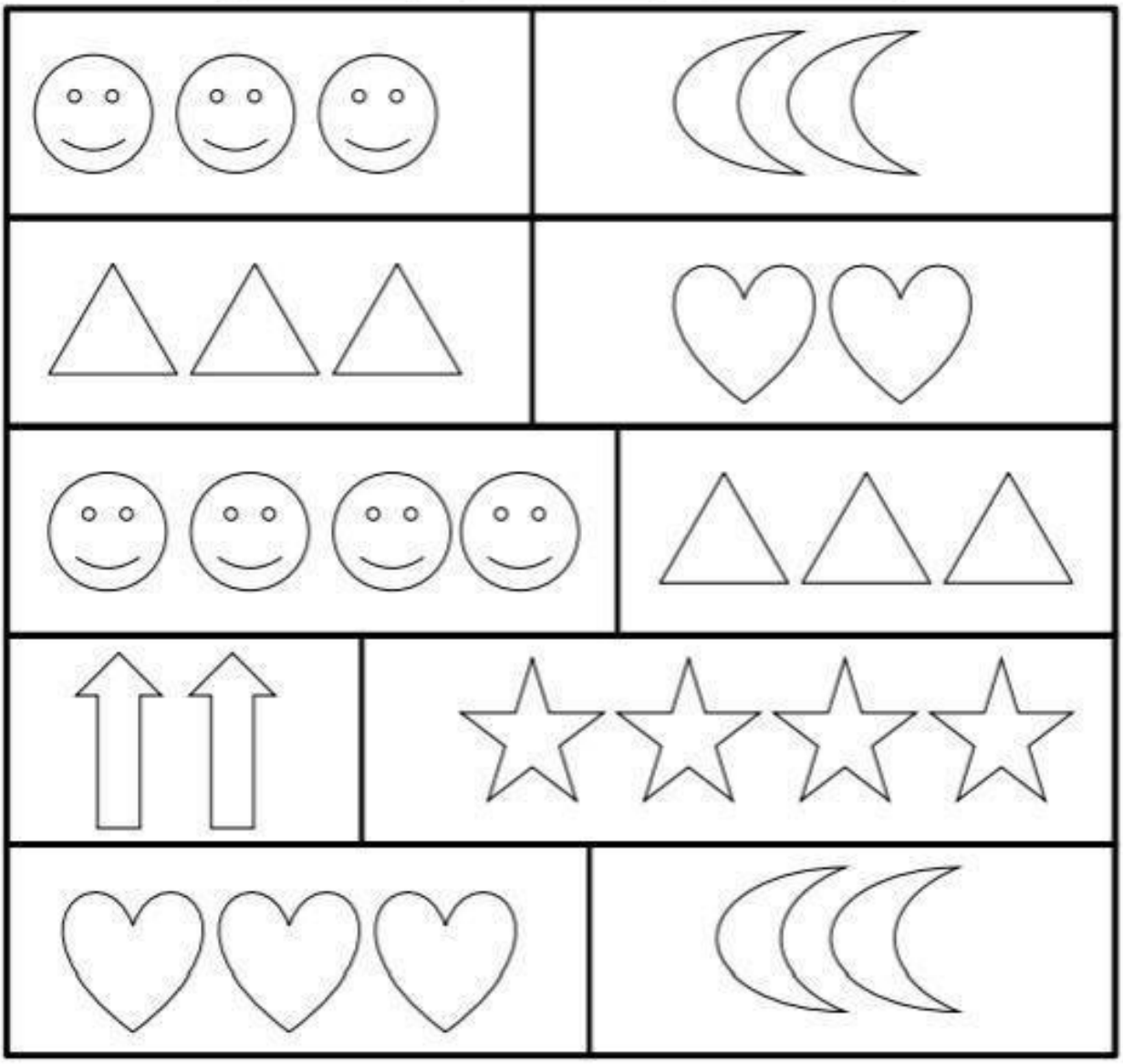
Name _____ Date _____

Color the things that are exactly the same. Color them so that they look like each other.

Name _____ Date _____

Look at the shelf. Color the things in groups of 2 red. Color the things in groups of 3 blue. Color the things in groups of 4 orange.

2	3	4
Red	Blue	Orange



Name _____ Date _____

Count the objects. Circle the correct number.

1 2 3

1 2 3

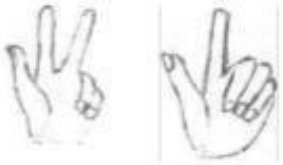
3 4 5

2 3 4

4 3 2

5 4 1

4 3 2



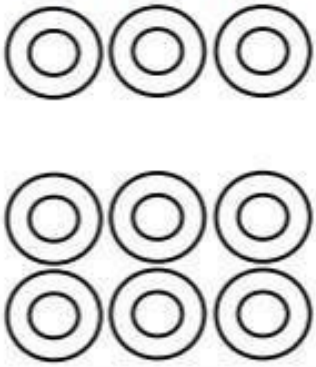
5 4 1

Name _____ Date _____

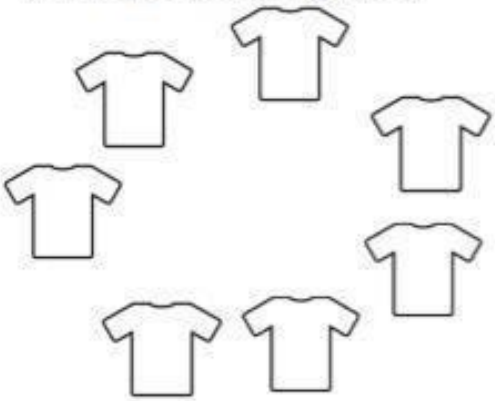
Listen to my stories. Color the pictures to show what is happening. Write how many in the box.

Bobby picked 4 red flowers. Then, he picked 2 purple flowers. How many flowers did Bobby pick?

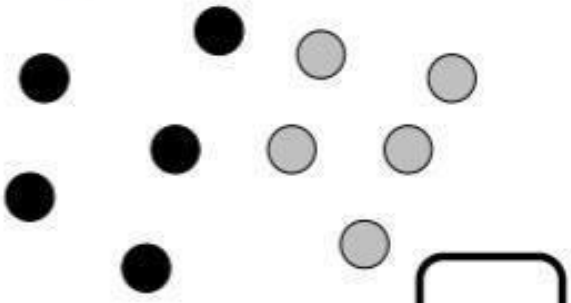
Janet went to the donut store. She bought 6 chocolate donuts and 3 strawberry donuts. How many donuts did she buy?



Some children were sitting in a circle. 4 of them were wearing green shirts. The rest were wearing yellow shirts. How many children were in the circle?



Jerry spilled his bag of marbles. Circle the group of grey marbles. Circle the group of black marbles. How many marbles were spilled?



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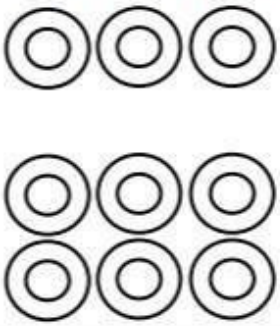

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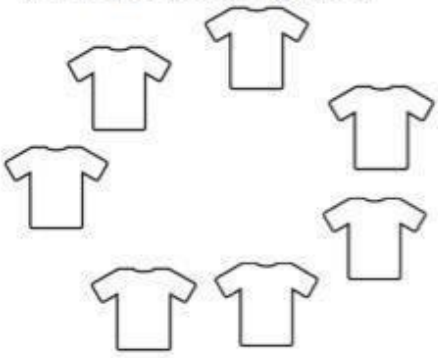

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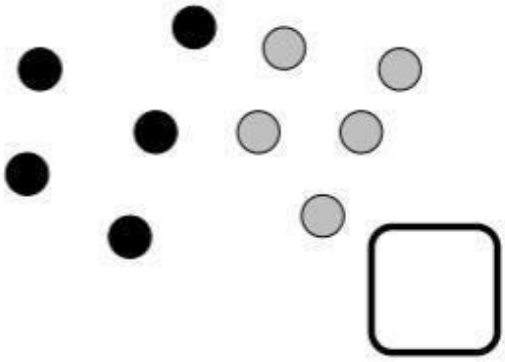
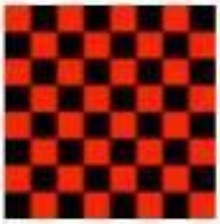
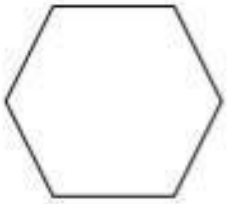


Name _____ Date _____

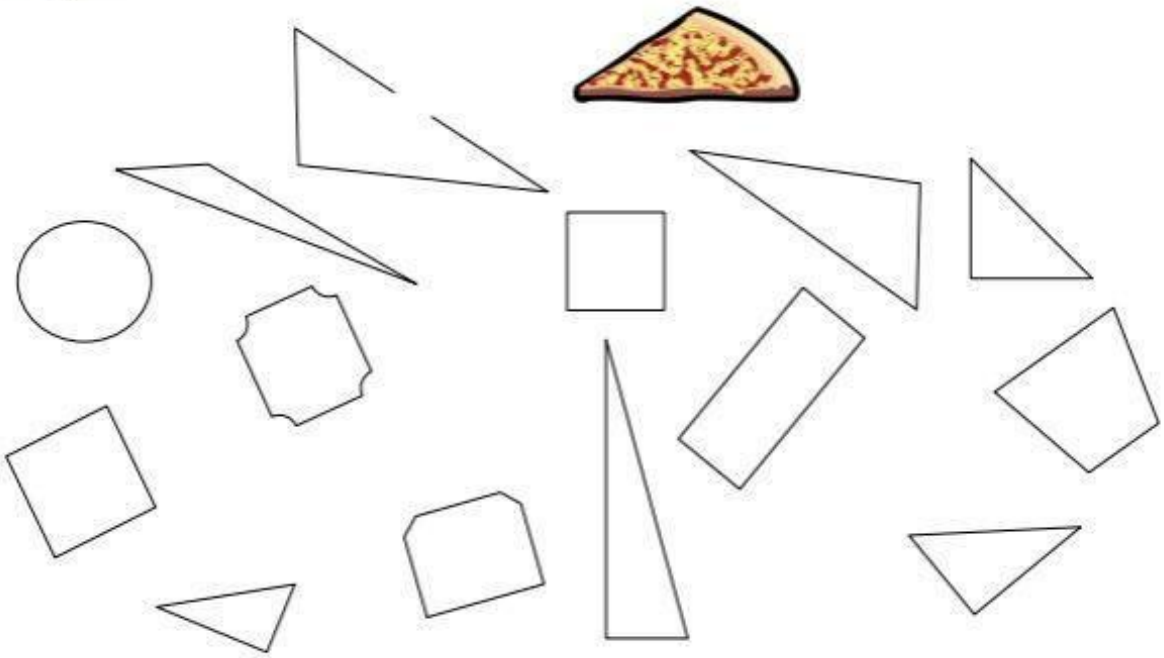
Draw a line from the shape to its matching object.





Name _____ Date _____

Find the triangles, and color them blue. Put an X on shapes that are not triangles.



Draw some triangles.

Fill in the missing number.

0, 1, 2, 3, 4, _____	_____, 4, 3, 2, 1, 0
0, 1, 2, 3, _____, 5	5, _____, 3, 2, 1, 0
0, 1, 2, _____, 4, 5	5, 4, _____, 2, 1, 0
0, 1, _____, 3, 4, 5	5, 4, 3, _____, 1, 0
0, _____, 2, 3, 4, 5	5, 4, 3, 2, _____, 0
_____, 1, 2, 3, 4, 5	5, 4, 3, 2, 1, _____
0, _____, 2, 3, 4, 5	0, 1, 2, 3, _____, 5
0, 1, _____, 3, 4, 5	5, 4, _____, 2, 1, 0
0, 1, 2, _____, 4, 5	0, 1, _____, 3, 4, 5
0, 1, 2, 3, _____, 5	_____, 1, 2, 3, 4, 5

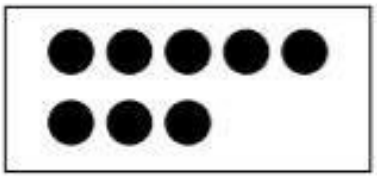
Name _____ Date _____

Write the missing number.

1.	2 + 1 = ☐	11.	☐ = 1 + 2
2.	4 + 1 = ☐	12.	5 + 0 = ☐
3.	5 - 1 = ☐	13.	☐ = 3 - 1
4.	3 + 1 = ☐	14.	☐ = 2 + 2
5.	3 + 2 = ☐	15.	4 - 1 = ☐
6.	4 - 2 = ☐	16.	☐ = 5 - 4
7.	5 - 3 = ☐	17.	☐ = 5 - 1
8.	5 - 2 = ☐	18.	3 + 0 = ☐
9.	2 + 3 = ☐	19.	1 - 0 = ☐
10.	5 - 4 = ☐	20.	5 - 5 = ☐

Name _____ Date _____

Look at the 5-group cards. Draw dots to make 10. Fill in the number sentences.



□ + □ = 10

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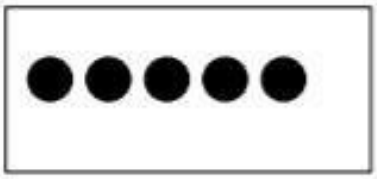
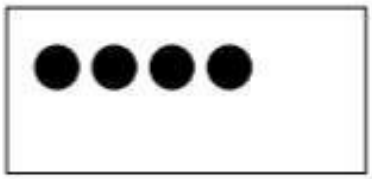


□ + □ = 10



□ + □ = 10

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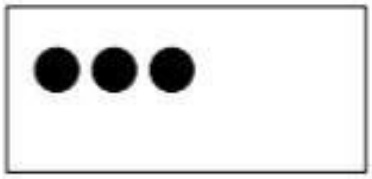
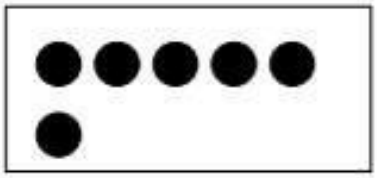
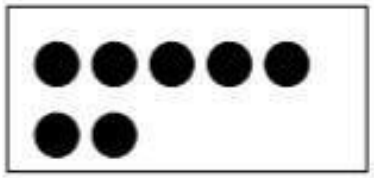


□ + □ = 10



□ + □ = 10



□ + □ = 10

On the back of this page, create a 5-group card. Draw dots to make 10, and write a number sentence.

Name _____ Date _____

Circle the cylinders with red.

Circle the cubes with yellow.

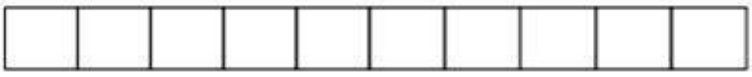
Circle the cones with green.

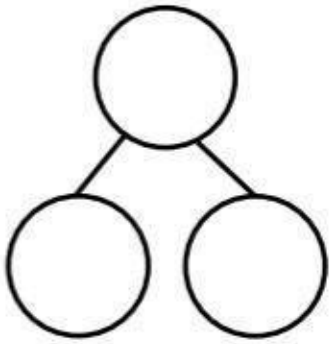
Circle the spheres with blue.

Name _____ Date _____

Complete a number bond and number sentence for each problem.

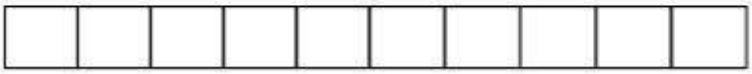
Color 6 blocks blue. Color the rest red. All of the blue blocks fell off the table. How many blocks are still on the table?

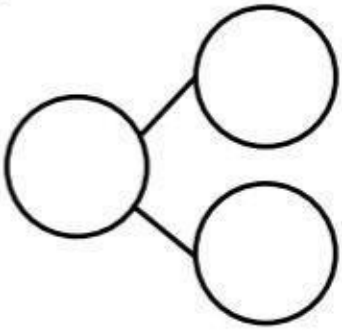




_____ - _____ = _____

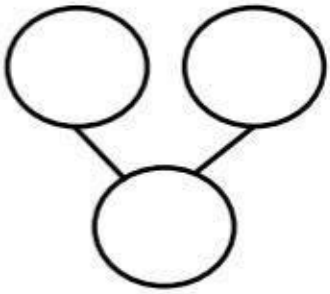
Color some blocks orange and the rest yellow to make 10. All of the yellow blocks fell off the table. How many blocks are left?





_____ - _____ = _____

Draw 5 dogs and some cats the 5-group way.

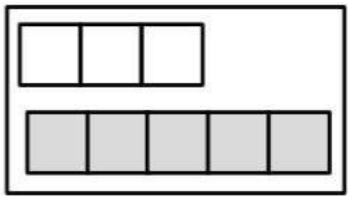


_____ + _____ = _____

Name _____ Date _____

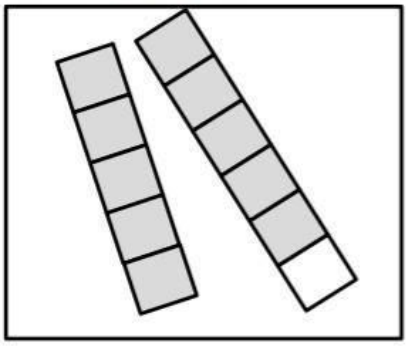
Circle the shorter stick.

How many linking cubes are in the shorter stick? Write the number in the box. ☐



How many linking cubes are in the shorter stick? Write the number in the box. ☐

Circle the longer stick.



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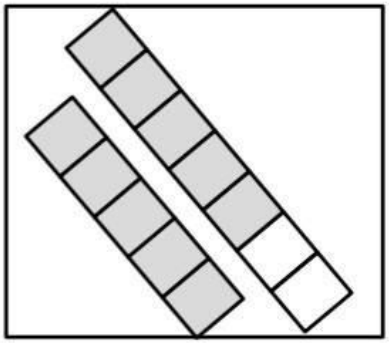
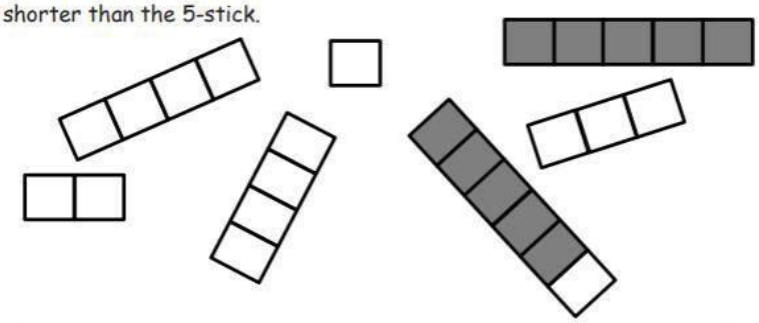
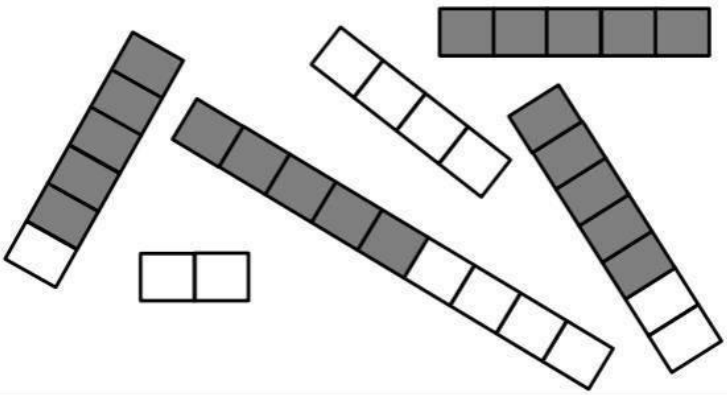


How many linking cubes are in the longer stick? Write the number in the box. ☐

Use a red crayon to circle the sticks that are shorter than the 5-stick.



Use a blue crayon to circle the sticks that are longer than the 5-stick.



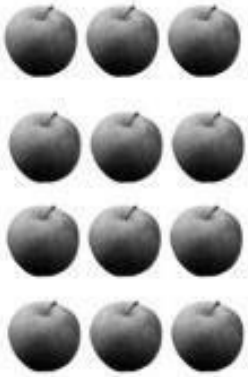
On the back, draw a 7-stick. Draw a stick longer than it. Draw a stick shorter than it.

Name _____ Date _____

I have 10 ones and 2 ones.

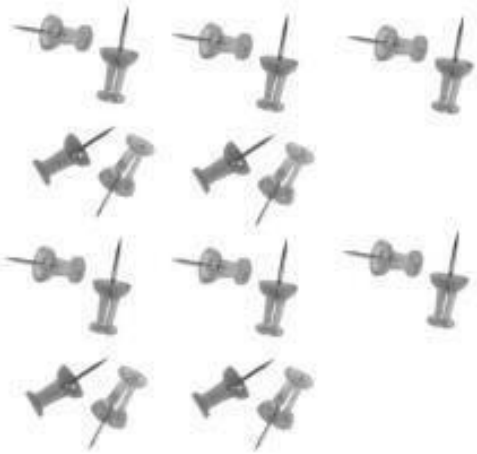
Count and circle 10 things. Tell how many there are in two parts, 10 ones and some more ones.

I have 10 ones and ___ ones.



I have ___ ones and ___ ones.

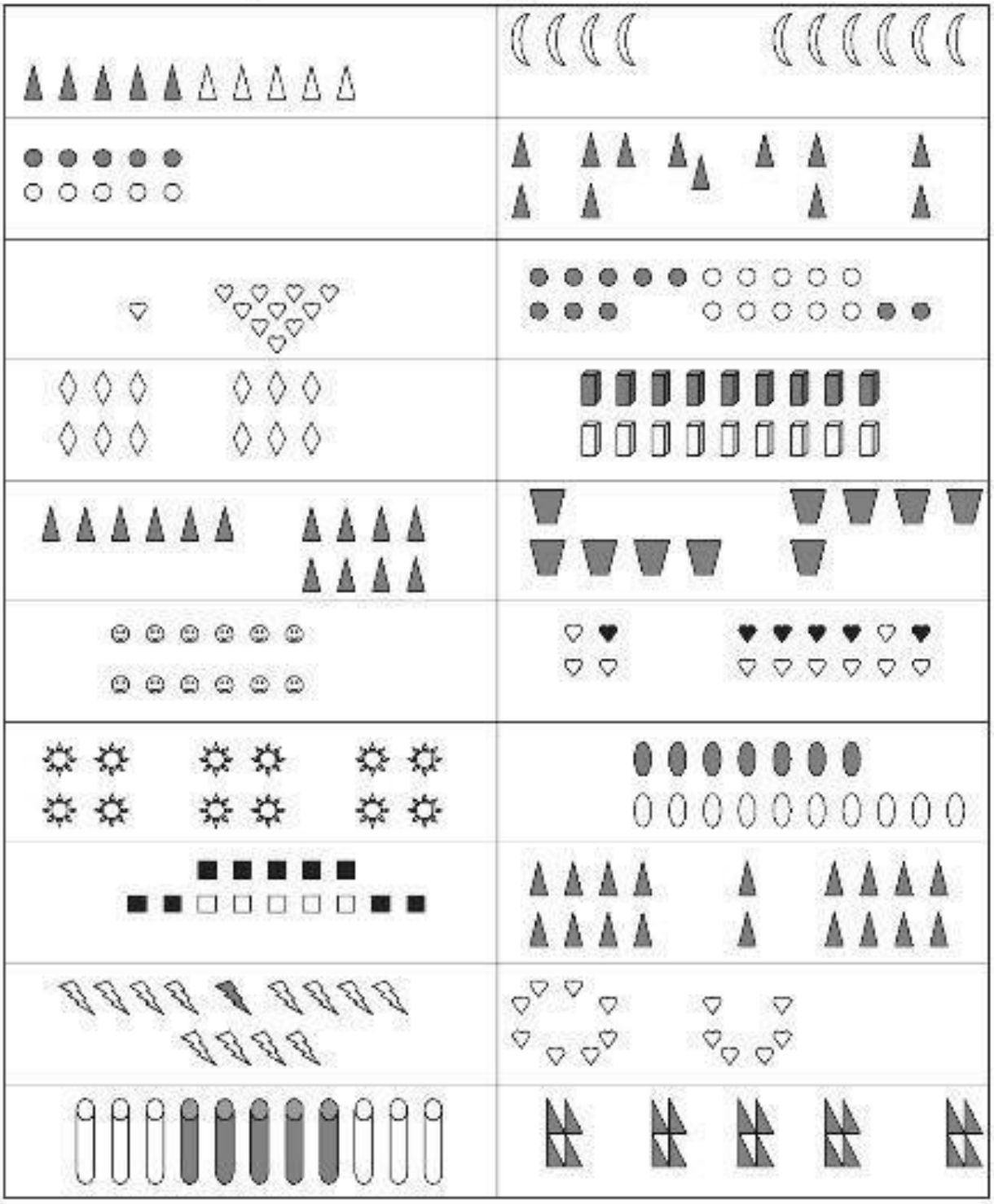
I have ___ ones and ___ ones.



I have ___ ones and ___ ones.

Name _____ Date _____

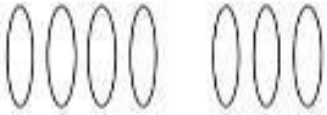
Circle sets of 10, and tell how many.



_____

circle 10 ones

Draw 1 more, and write how many in the box.

	How many?		How many?
			
			
			
			
			
			
			
			

draw 1 more ; from Lesson 32

Name _____ Date _____

Circle the 2nd truck from the stop sign. Draw a square around the 5th truck. Draw an X on the 9th truck.

Draw a triangle around the 4th vehicle from the stop sign. Draw a circle around the 1st vehicle. Draw a square around the 6th vehicle.

Put an X on the 10th horse from the stop sign. Draw a triangle around the 7th horse. Draw a circle around the 3rd horse. Draw a square around the 8th horse.