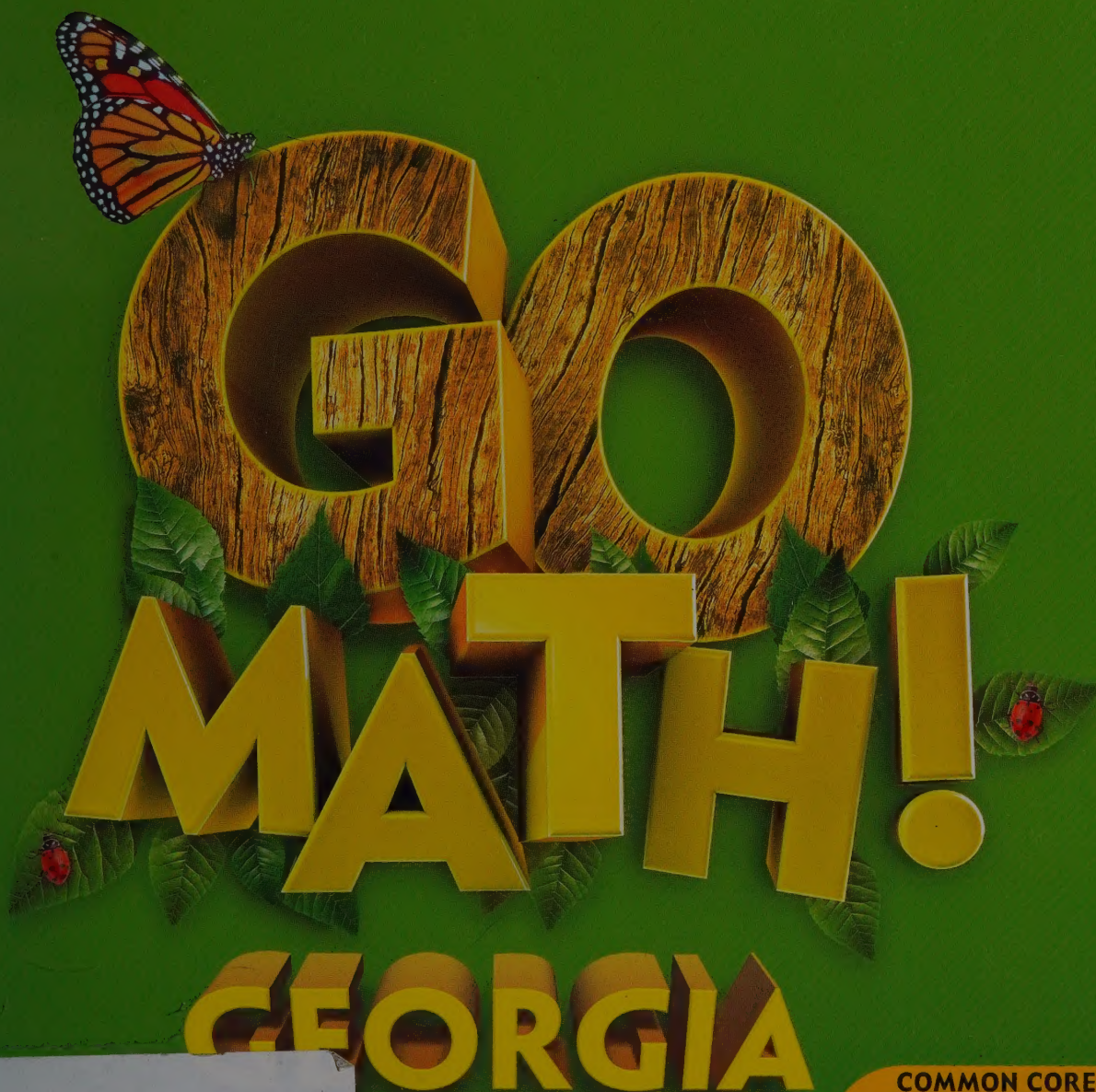


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Name _____

Can You Place Me?

Write a word from the box to answer the exercise.

twentieth	fifth	eighteenth	nineteenth
sixteenth	first	eleventh	tenth

1. There are 20 children in line.

Kiley is next to last in line.

Jaden is standing behind her.

In which place is Jaden?

2. Chloe was tenth in line.

She left the line. Jacob was

eleventh in line. In which place

is Jacob now?

3. Al is sixteenth in line. Ann is

next in line. Then comes Ed.

In which place is Ed?



Writing and Reasoning

You are ninth in the line. There are nine people behind you. I am next in line. In which place am I?

Name _____

What Is Missing?

Write the missing numbers
in the Counting Chart.

1	2	3	4	5	6	7	8	9	10
	12	13	14	15	16	17	18	19	20
21			24	25	26			29	30
31	32	33		35		37	38		40
		43	44		46	47	48		50
	52	53	54	55	56	57			60
61			64	65	66	67		69	70
71	72		74	75	76			79	80
81	82	83		85		87	88	89	90
91	92	93	94		96	97	98	99	
	102	103	104	105	106	107	108	109	110
111	112	113	114			117	118	119	

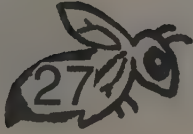


Writing and Reasoning How did you know the number to write after 119?

Name _____

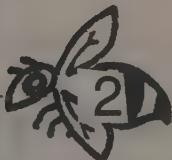
Bee Counts

Which flowers do the bees visit? Count forward by tens. Draw lines to show the path from each bee to its hive.

1. 

Flowers: 47, 57, 72, 67, 82, 37, 62, 77, 92, 107, 97, 87, 52, 22, 32, 95, 47, 42, 12

Hives:  92,  47

2. 

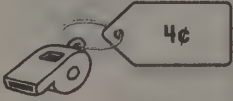
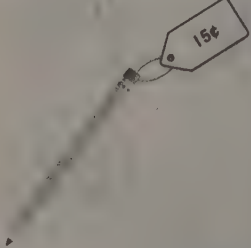
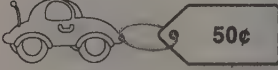


Writing and Reasoning If your starting number was 23 instead of 27 in Exercise 1, what do you think your ending number would be? Explain.

Name _____

Shopping with Coins

Circle the coins you need to buy each item.

1. 	
2. 	
3. 	

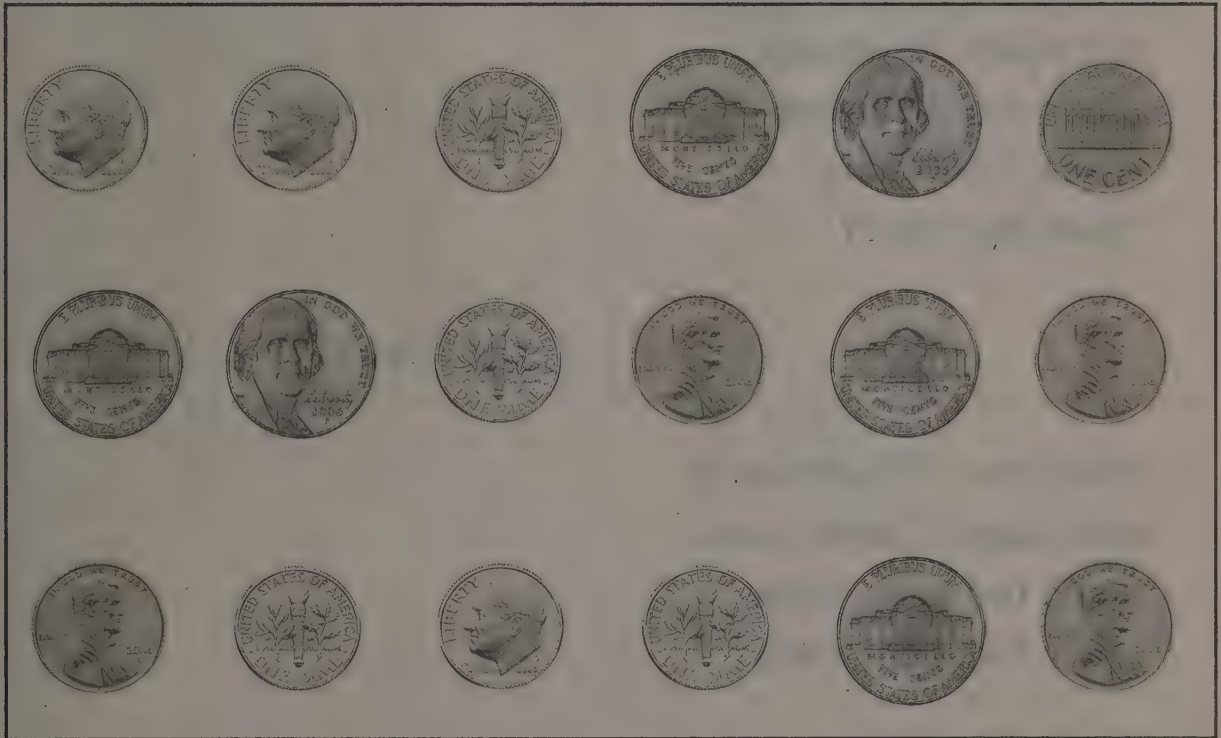


Writing and Reasoning Would you rather have 10 pennies or 2 dimes? Why?

Name _____

Money to Spend

Juan and Lisa go to the toy store. Juan has 43¢ to spend. Circle the coins Juan could have. Lisa has 37¢ to spend. Put an X on the coins Lisa could have.



Writing and Reasoning Who has a greater amount of money to spend, Juan or Lisa? Explain.

Name _____

The Flower Shop

Draw quick pictures to solve.

Write the number.

THINK

Each bunch has
10 flowers.

1. There are 5 bunches of red roses. There are 5 bunches of yellow roses. How many roses are there?

_____ roses

2. There are 10 bunches of pink tulips, 5 white tulips, and 5 red tulips. How many tulips are there?

_____ tulips



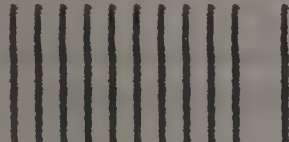
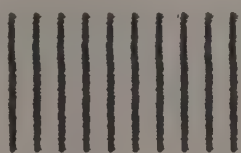
Writing and Reasoning Look at Exercise 2.

Nicole buys 3 of the red tulips and 3 of the white tulips. Now how many tulips are there?

Name _____

Make a Number

Write any digit from 0 to 9 in the blank. Then finish the drawing to match.

1.   _____	2.   _____
3.   _____	4.   _____



Writing and Reasoning

Finish the drawing to show 120.

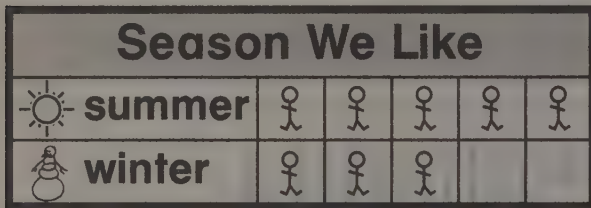
Write to explain.



Name _____

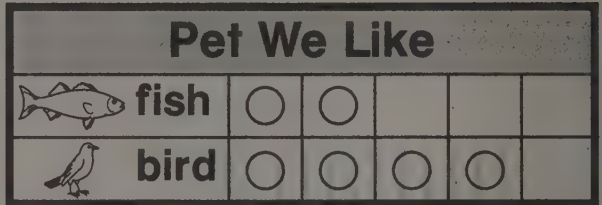
A Pair of Picture Graphs

Blake made this picture graph.



Each  stands for 1 child.

Divya made this picture graph.



Each  stands for 1 child.

Write a question about each picture graph.

Show the answer.

1. _____

2. _____



Writing and Reasoning How are the two graphs alike? How are they different?

Name _____

Party Time Picture Graph

Follow the directions to complete the picture graph.

1. Jill has 5 .
She has 3 more  than .
She has 2 more  than .

Jill's Party Supplies										
	hats									
	balloons									
	bags									

Each ○ stands for 1 item.

There will be 8 children at Jill's party.

Use the picture graph to answer each question.

2. Does Jill have a  for each child? Circle.

yes no

3. Each child gets one .
How many more  does Jill need?

_____ more 



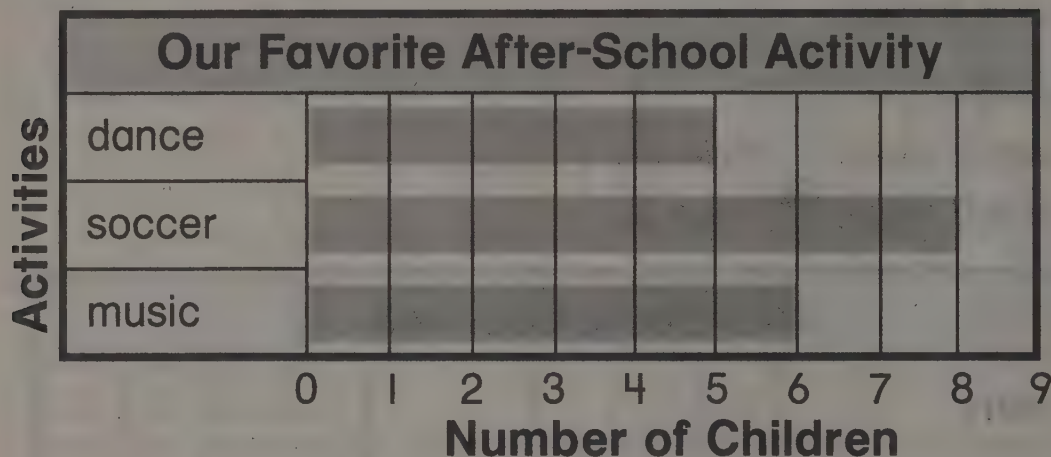
Writing and Reasoning Jill gets 1 more .

Will she have a bag for each child? Explain.

Name _____

Bar Graph Clues

Use the bar graph to complete each sentence.



1. _____ more children chose soccer than dance.

2. _____ fewer children chose music than soccer.

3. _____ children chose dance or music.

4. If 3 more children chose dance, then the bar graph would show _____ children for dance.



Writing and Reasoning How can you tell without counting if more children chose soccer than music? Explain.

Name _____

Compare the Letters

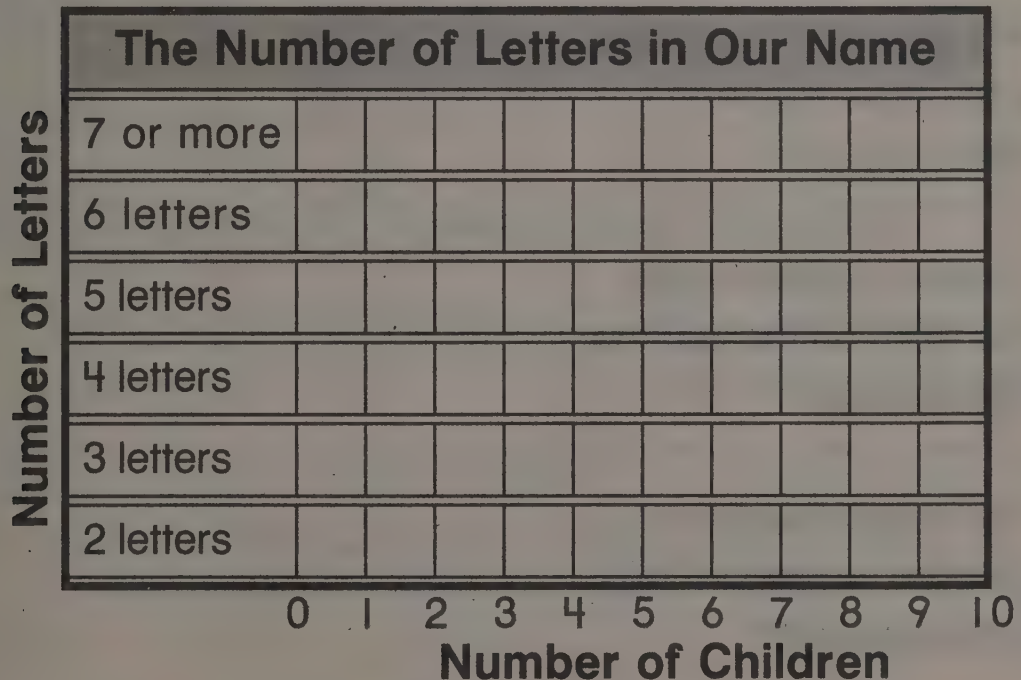
Some children are comparing the number of letters in their names.

1. Write the names of 10 friends.

Count how many letters are in each name.

2. Make a bar graph of the information.

Show how many names have different numbers of letters.



3. How many letters are in the most names? _____



Writing and Reasoning How would the graph change if you added your name? Explain.

Name _____

Trip Tally

Complete the tally chart.

Our Favorite Trip		Total
 zoo		
 museum		
 library		

Use the tally chart to solve.

1. Jen is one of 11 children who chose this trip.
Which trip is it?

2. 5 more children chose this trip than the zoo trip.
Which trip is it?

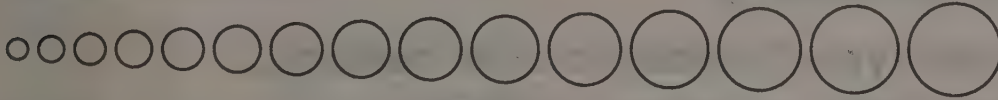
3. The fewest number of children chose this trip.
Which trip is it?



Writing and Reasoning Write another clue that can be answered by using the chart. Then solve.

Name _____

Color Count



Color some circles red.

Color some blue.

Color some yellow.

Make a tally chart to show how many of each color.

Circles I Colored		Total
red		
blue		
yellow		

Use your tally chart to answer each question.

1. How many circles did you color red or blue?

_____ circles

2. Did you color more blue circles or yellow circles?

_____ circles

3. Did you color fewer yellow circles or red circles?

_____ circles



Writing and Reasoning How does the tally chart help you count and compare the colored circles?

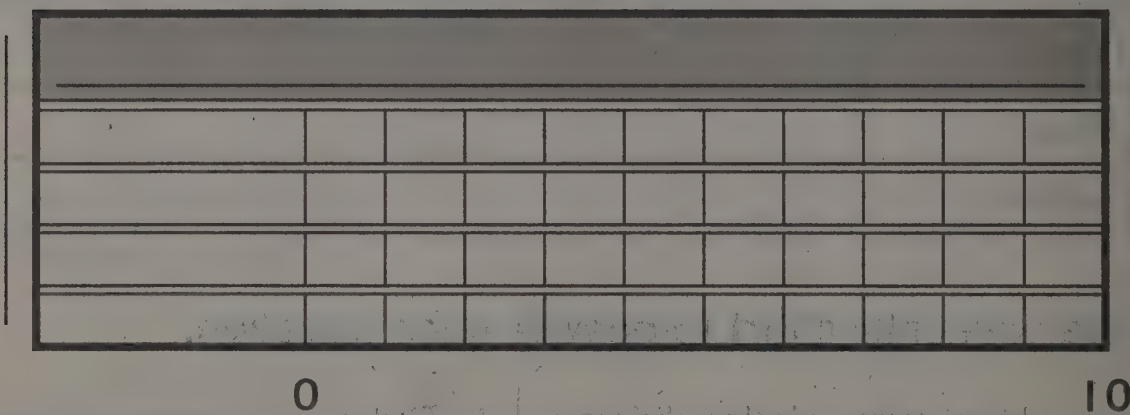
Name _____

Favorite Seasons

Find out about your friends' favorite seasons.

1. Write a question you can ask 10 friends.

2. Ask 10 friends. Use the information to make a bar graph.



3. Which season was chosen most often? _____

4. Which season was chosen the least? _____

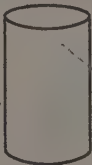
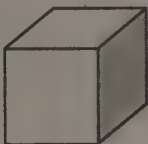
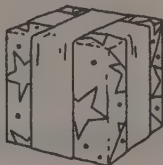
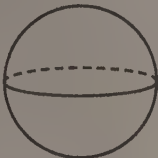
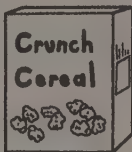
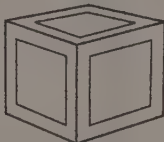
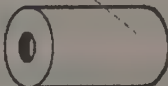
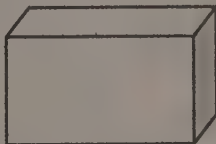


Writing and Reasoning Write another question that can be answered by your graph.

Name _____

Match the Shapes

Draw lines to connect the three shapes that match.

1.			
2.			
3.			
4.			
5.			



Writing and Reasoning Circle each shape that has two or more flat surfaces.

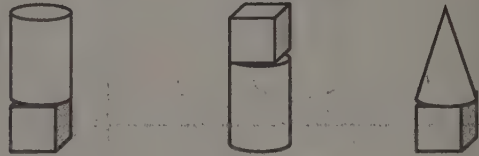


Name _____

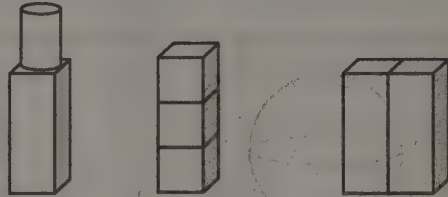
What's New?

Three children made new shapes. Circle the shape that matches the description.

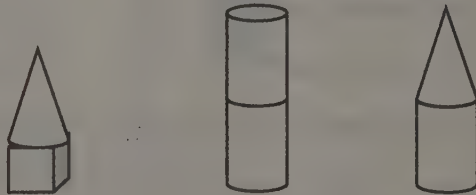
1. Jill's shape has a cube on the bottom and a cylinder on the top.



2. Roberto's shape has two rectangular prisms.



3. Lin's shape has a cylinder and a cone.



Writing and Reasoning Think of a shape you want to make. Write a description for it.

Name _____

Make New Shapes

Here is a shape.



Repeat and combine.

Which new shapes can you make?

Circle the correct shapes.

Cross out the wrong shapes.

1. 	2. 	3. 
4. 	5. 	6. 
7. 	8. 	9. 



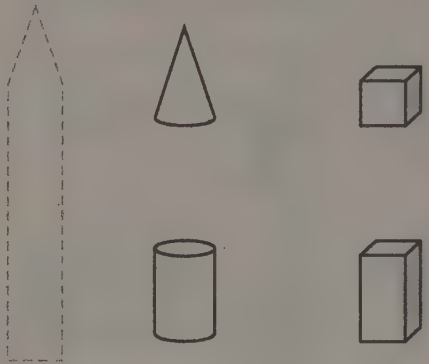
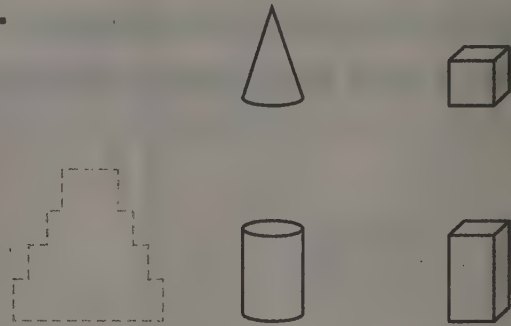
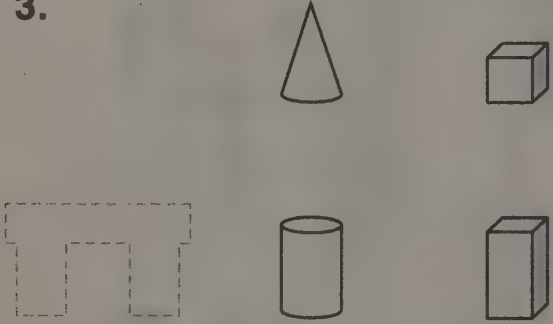
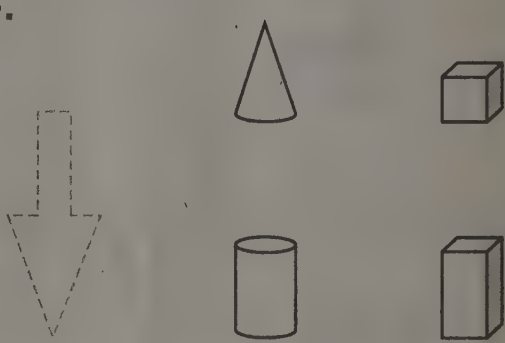
Writing and Reasoning How were you

able to make different shapes?

Name _____

Shape Structures

Max is building objects. Circle the shapes he will need for each object.

1.  post	2.  steps
3.  shelf	4.  top

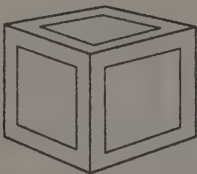
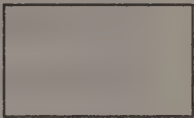
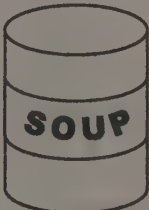
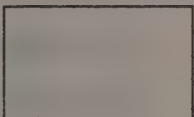
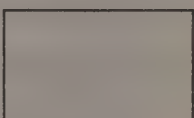
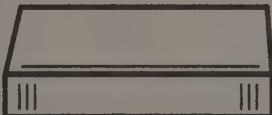
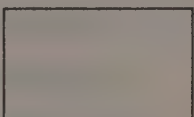


Writing and Reasoning Is there another answer for Exercise 2? Explain.

Name _____

Shapes in Objects

Color the flat surfaces each object has.

1.		   
2.		   
3.		   
4.		   

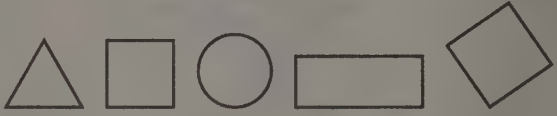
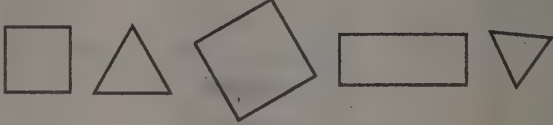


Writing and Reasoning Find a three-dimensional object. Draw the object and a flat surface of the object.

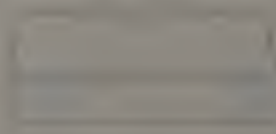
Name _____

Shape Groups

Cross out the shapes that do not belong.

1. We have 4 vertices. We have 4 sides. All of our sides are the same length.	
2. We have more than 2 sides. We do not have 4 sides.	

Draw a shape to solve.

3. I have 3 vertices. I have 3 sides.	
4. I have 4 sides. I have 4 vertices. My sides are not all the same length.	



Writing and Reasoning Draw two different shapes that have 4 vertices and 4 sides.

Name _____

Riddle Shapes

Circle the shape that answers the riddle.

1. I have more than 4 vertices. I have more than 5 sides. Which shape am I?	
2. I have 4 sides. I have 4 vertices. My sides are not all the same length.	

3. Sort , , , , and  into two groups. Draw to show your work.

3 or 4 vertices	more than 4 vertices

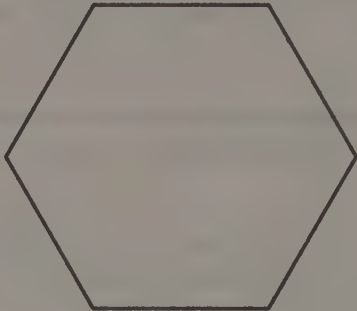
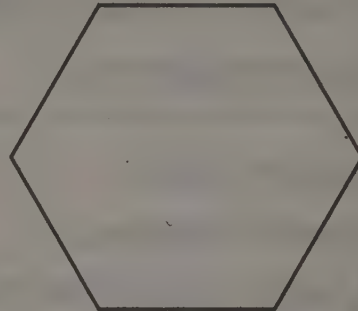
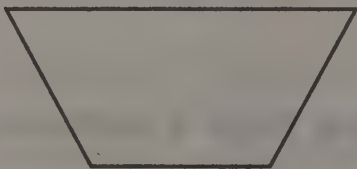
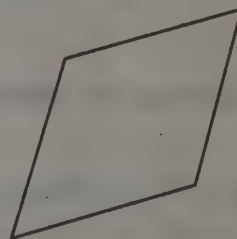


Writing and Reasoning Draw a shape that has 5 vertices and 5 sides.

Name _____

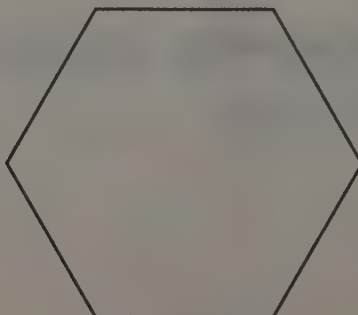
Shape Maker

Use pattern blocks. Draw lines to show how to make each shape.

1. Use .2. Use .3. Use .4. Use .

Writing and Reasoning Draw lines to show

how this  can be made from 3  and 1 .



Name _____

Shapes and More Shapes

You can color to combine shapes.



1. Color 4  to make a combined shape.
Make as many different shapes as you can.



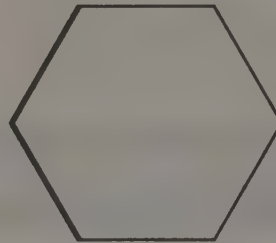
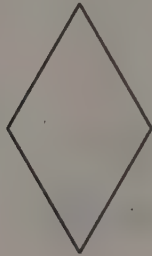
Writing and Reasoning Look at the shapes you drew in Exercise 1. Turn the paper to see them upside down. What do you notice?

Name _____

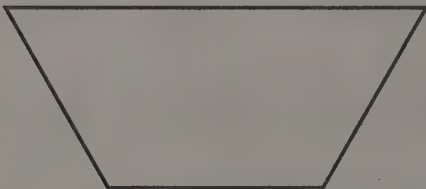
Shapes in a Shape

Use . Show how the  makes the .
Draw lines. Then show how the  makes the . Draw lines.

1. Use 2 .



2. Use 3 .



Writing and Reasoning How many 

do you need to make 2 ?

_____ 

Name _____

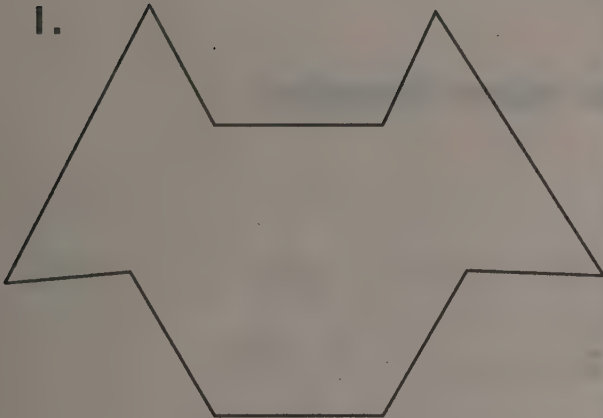
Build a Shape

Put three pattern blocks together to make each shape.

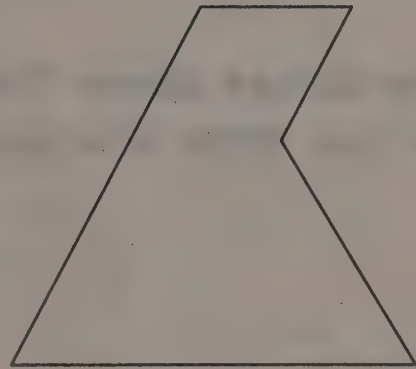
Draw to show your model.



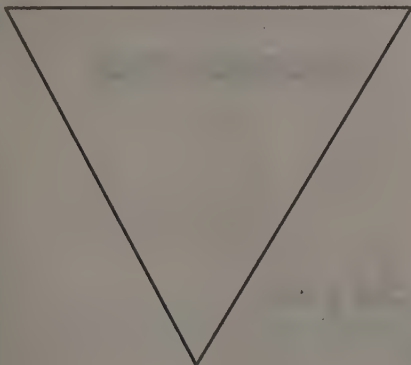
1.



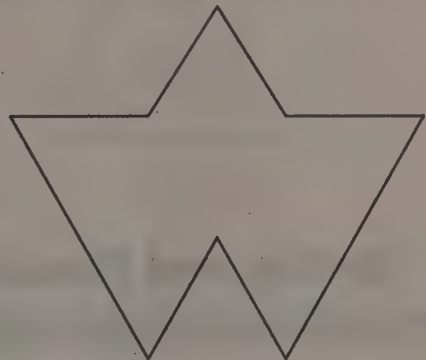
2.



3.



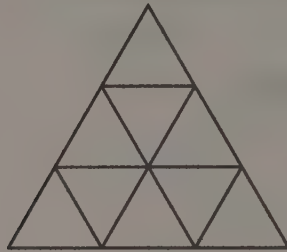
4.



Writing and Reasoning On a separate sheet of paper, draw a different shape using 3 of the shapes above.

Name _____

How Many Triangles?

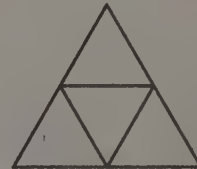


Use the picture above. Find as many triangles as you can. Write how many.

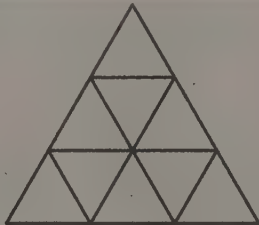
1. _____



2. _____



3. _____



4. _____ triangles in all



Writing and Reasoning How did you find the triangles in Exercise 2? Explain.

Name _____

Four Parts, Four Ways

Show 4 equal parts 4 different ways.

1.



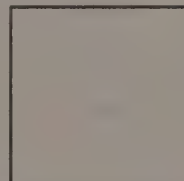
2.



3.



4.



Show 4 unequal parts 4 different ways.

5.



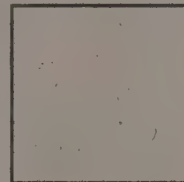
6.



7.



8.



Writing and Reasoning Is a part from Exercise 1 the same size as a part from Exercise 2? Explain.

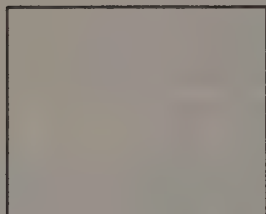
Name _____

Missing Halves

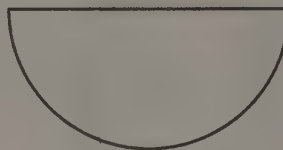
The picture shows half of the whole.

Draw the other half.

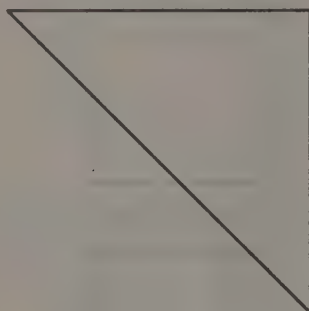
1.



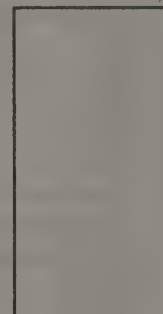
2.



3.



4.



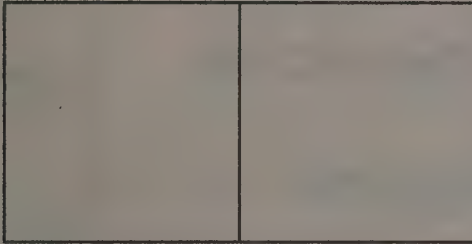
Writing and Reasoning Do any of your whole shapes match? Explain.

From Halves to Fourths

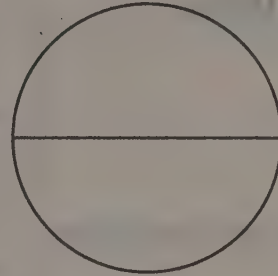
These shapes show halves.

Draw lines to make them show fourths.

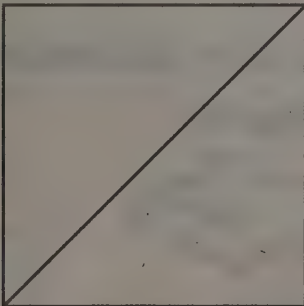
1.



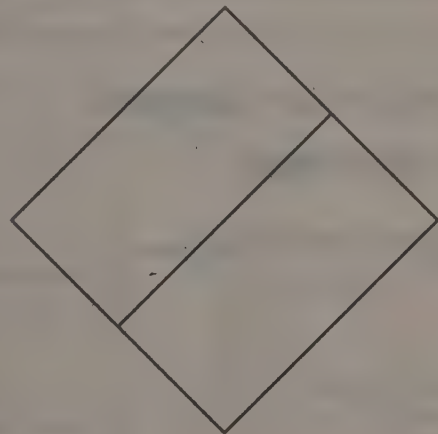
2.



3.



4.



Writing and Reasoning Tell how you can solve Exercise 1 in a different way.

Shortest and Longest

Order by length. Write 1, 2, or 3.

1. Order from **shortest** to **longest**.



1



3

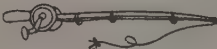


2

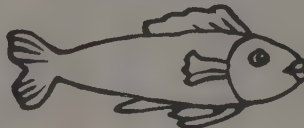
2. Order from **longest** to **shortest**.



3. Order from **longest** to **shortest**.



4. Order from **shortest** to **longest**.



Writing and Reasoning Draw three objects in order from **longest** to **shortest**.

Name _____

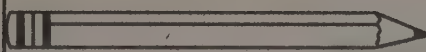
Pencil Comparisons

Draw the lengths of the objects.

1. The pencil is shorter than the marker.

The marker is shorter than the drinking straw.

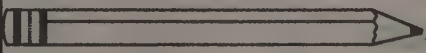
The drinking straw and the string are the same length.

pencil	
marker	
straw	
string	

2. The pencil is longer than the yarn.

The yarn is longer than the crayon.

The yarn and the ribbon are the same length.

pencil	
yarn	
ribbon	
crayon	



Writing and Reasoning Is the pencil shortest in Exercise 1 and longest in Exercise 2? Explain.

Name _____

Tile Measure

Read the problem.

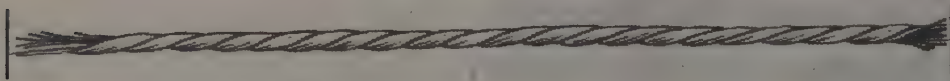
Use  to measure.

1. This ribbon belongs to Janet.
About how many  long is it?



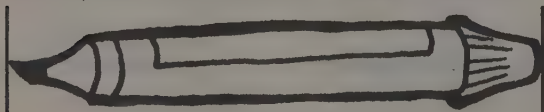
about _____ 

2. This rope belongs to Ron.
About how many  long is it?



about _____ 

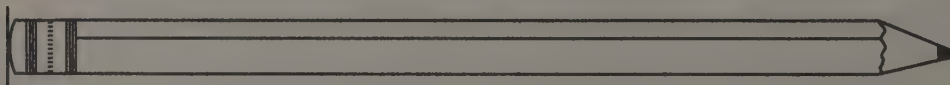
3. This marker belongs to Erica.
About how many  long is it?



about _____ 



Writing and Reasoning Miguel has a pencil that is about 8  long. Is the pencil below longer, shorter, or about the same length as Miguel's pencil? _____

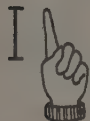


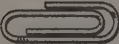
Name _____

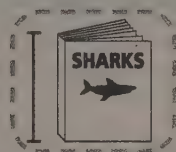
Compare Measurements

Use the measuring tool you made to compare. Circle which is longer.

1. Measure your finger and a book.



about _____ 

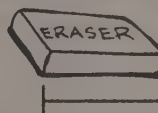


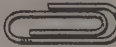
about _____ 

2. Measure your shoe and an eraser.



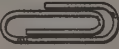
about _____ 



about _____ 

3. Measure a crayon and your book bag.



about _____ 



about _____ 

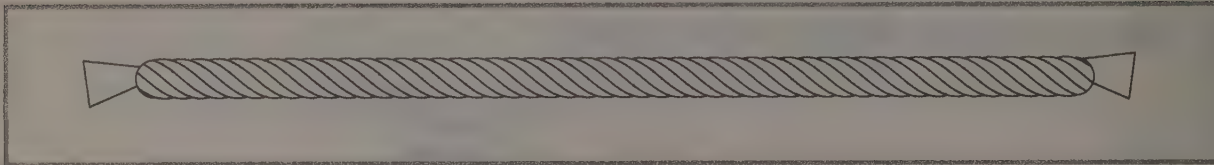


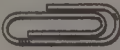
Writing and Reasoning How could you find the measurement around your wrist? Explain.

Name _____

Measuring Units

Measure the rope. Use different units of measure.



1. The rope is about _____  long.

2. The rope is about _____  long.

3. The rope is about _____  long.

4. The rope is about _____ long.

5. The rope is about _____ long.



Writing and Reasoning Why are your answers different? Explain.

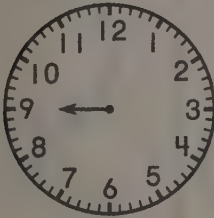
Name _____

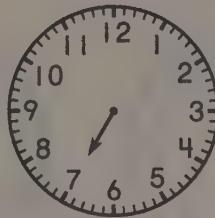
Mixed Up Clocks

Write each time.

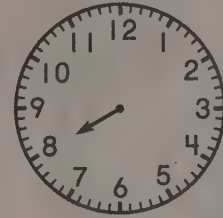
Write 1, 2, or 3 to show the times in order.

1.

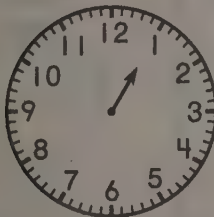




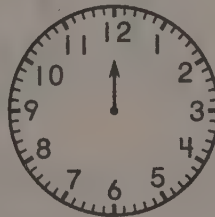
1



2.



3







Writing and Reasoning How can you look at a clock and know what time it will be one hour later?

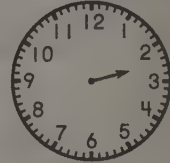
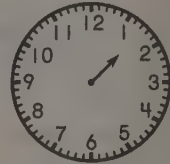
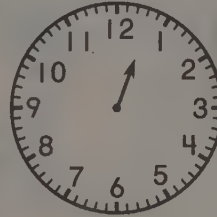
Name _____

Time Patterns

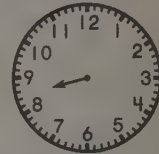
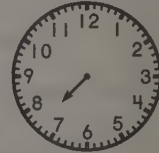
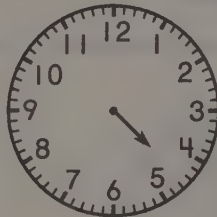
Look for the pattern in each row.

Circle the clock that comes next.

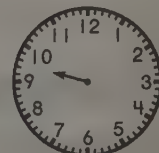
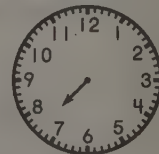
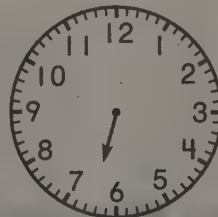
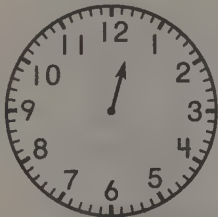
1.



2.



3.



Writing and Reasoning When it is half past 5:00, is the hour hand closer to the 5 or the 6? Explain.

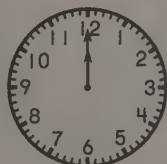
Name _____

A Time Path

Start at 9:00. Connect to show the times every half hour. Write the time that does not belong.



half past 9:00



10:00



11:00



Which time does **not** belong? _____



Writing and Reasoning Where does the minute hand always point when it is half past the hour? Explain.

Name _____

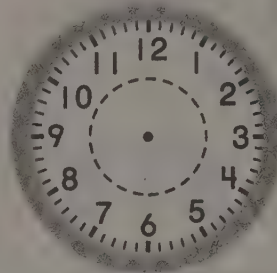
Time for Play

Jake and his friends are ready to play.

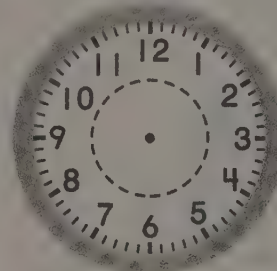
Draw hands on each clock to show the time.

Write the time.

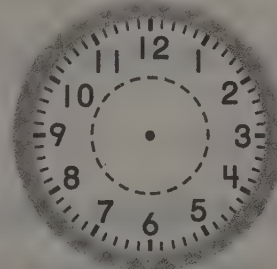
1. It is 3:00. Jake will play ball in 30 minutes. What time will it be?



2. It is 4:00. Mei will walk her dog in 2 hours. What time will it be?



3. It is 5:00. Asa will play a game in 2 hours and 30 minutes. What time will it be?

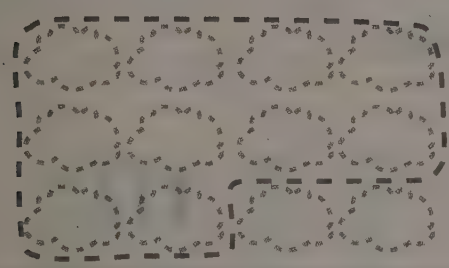


Writing and Reasoning Explain how you solved Exercise 2.

Name _____

Draw Ten and Some More

1. Draw twelve . Circle ten.



Write how many tens and ones. Write the number.

1 ten 2 ones
12

2. Draw fourteen . Circle ten.

Write how many tens and ones. Write the number.

_____ ten _____ ones

3. Choose a different number from ten to nineteen. Draw that many . Circle ten.

Write how many tens and ones. Write the number.

_____ ten _____ ones



Writing and Reasoning

If you have thirteen starfish and you give ten away, how many will you have left? Draw to show your work. Write the numbers.

_____ tens _____ ones = _____ starfish

Turtle Match, Turtle Math

Match the picture to the number.

Then write how many tens and ones.

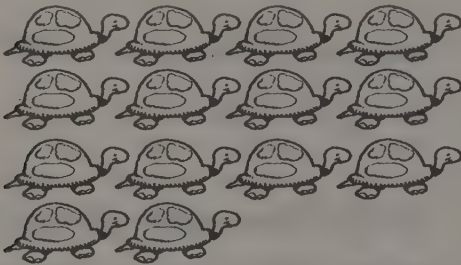
1.



10

_____ ten _____ ones

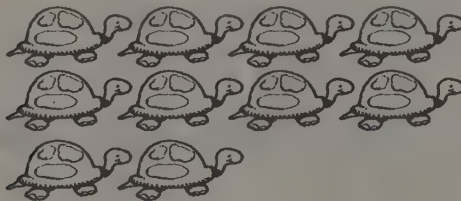
2.



16

_____ ten 6 ones

3.



14

_____ ten _____ ones



Writing and Reasoning How can you draw to show the ones in Exercise 3?

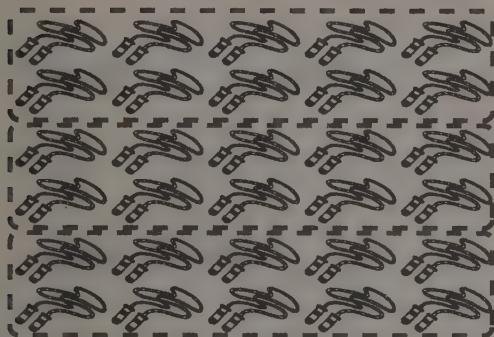
Name _____

Change Ones to Tens

Circle groups of ten.

Write the numbers.

1.



3 tens

30 jump ropes

2.



_____ tens

_____ beach balls

3.



_____ tens

_____ skateboards



Writing and Reasoning

If you add 30 jump ropes to Exercise 1, how many tens will you have in all?

_____ tens

Name _____

Ones and Tens Crossout

Cross out the box that does not match.

Then write the missing number.

1.

24

2 tens 4 ones~~_____ tens 2 ones~~

2.

48

8 tens _____ ones

_____ tens 8 ones

3.

36

_____ tens 3 ones

3 tens _____ ones



Writing and Reasoning How can you draw to show that Exercise 3 is correct?

Name _____

Riddles to 100

Write a number to solve.

1. I am greater than 57.

I am less than 60.

I have 9 ones.

2. I am greater than 72.

I am less than 76.

The ones are not 3 or 5.

3. I am less than 40.

I have 8 ones and 2 tens.

4. I am less than 100.

I have no tens. I am greater than 0 and less than 2.

5. I am greater than 35.

I am less than 45.

I have 2 ones.

6. I am greater than 80.

I am less than 90.

I have 1 one.

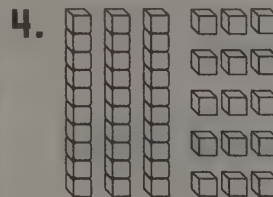
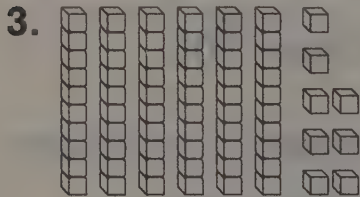
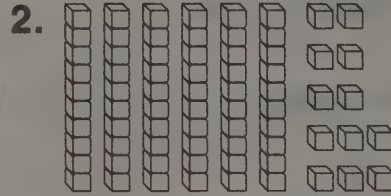
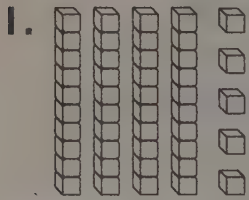
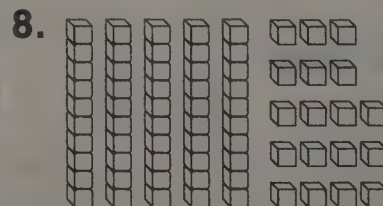
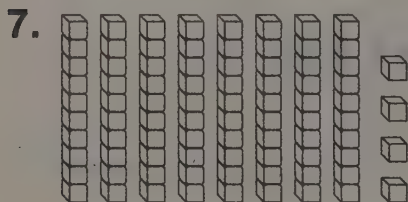
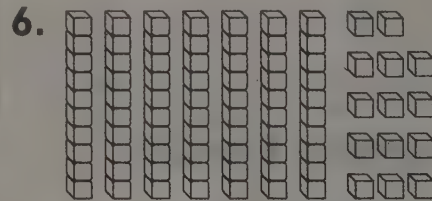
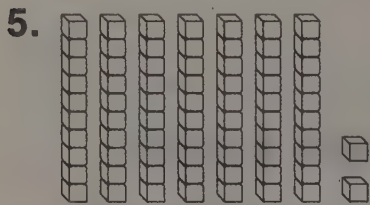


Writing and Reasoning Write a riddle for the number 62.

Name _____

More Ways to Show Numbers

Match the pictures that show the same number. Write the number the pictures show.


45


Writing and Reasoning

Draw three ways to show 47.

Name _____

Which Makes It True?

Circle the number that makes the number sentence true.

1. $34 > \underline{\quad}$

33

43

2. $\underline{\quad} > 66$

59

81

3. $21 > \underline{\quad}$

31

13

4. $72 > \underline{\quad}$

75

63

5. $\underline{\quad} > 33$

34

22

6. $\underline{\quad} > 91$

86

98



Writing and Reasoning Write a number that is greater than 98.

Name _____

Which Is Less?

Read the sentence. Circle true or false.

Then write the numbers to make the comparison true.

1. Eric said 66 is less than 51.

true

false

51 < 66

2. Dan said 44 is less than 46.

true

false

_____ < _____

3. Anna said 81 is less than 77.

true

false

_____ < _____

4. Shanta said 90 is less than 70.

true

false

_____ < _____

5. Lars said 22 is less than 33.

true

false

_____ < _____

6. Kerry said 49 is less than 24.

true

false

_____ < _____

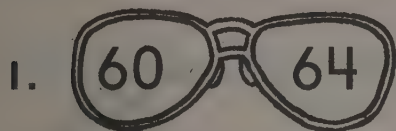


Writing and Reasoning Write four numbers that are less than 61.

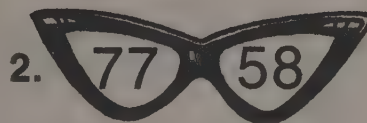
Name _____

I Spy Symbols

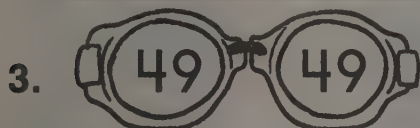
Look at the glasses. Write the numbers and $<$, $>$, or $=$.



60 $<$ 64



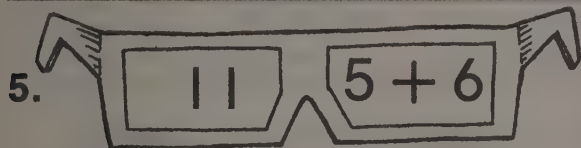
_____ $\bigcirc$ _____



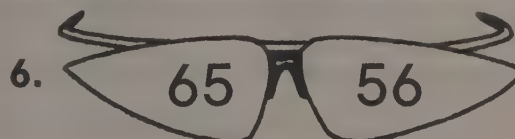
_____ $\bigcirc$ _____



_____ $\bigcirc$ _____



_____ $\bigcirc$ _____



_____ $\bigcirc$ _____

Write numbers to make each sentence true.

7. $88 < \underline{\hspace{2cm}}$

8. $\underline{\hspace{2cm}} = 55$

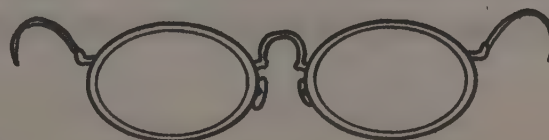
9. $\underline{\hspace{2cm}} > 75$

10. $\underline{\hspace{2cm}} > 41$



Writing and Reasoning

Write your own problem.



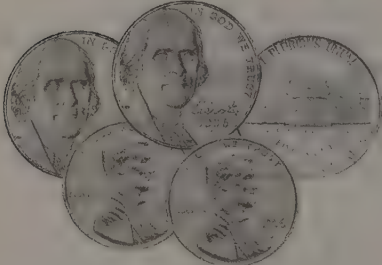
Comparing at the Hardware Store

Write the cost of each item. Write $>$, $<$, or $=$ to compare the amounts.

1.



nails



17¢



wire



paint brush

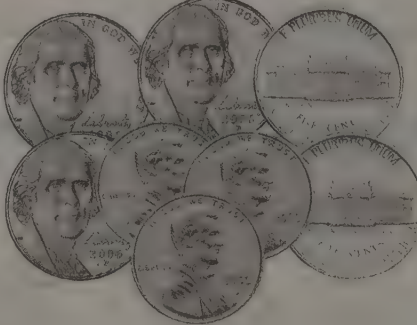


2.

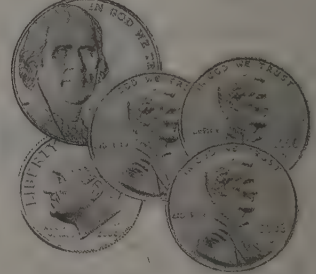
screw



nut



bolt

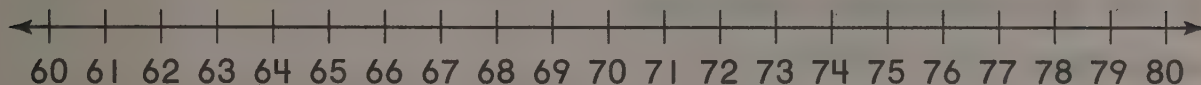


Writing and Reasoning Could Tim purchase a screw, nut, and bolt for less than 99 cents? Explain.



Name _____

Solve the Riddles



Use the number line to solve the riddles.

1. Jake has a number that is both greater than 65 and less than 67. Don has a number just after the number Jake has. What numbers do the children have?

Jake has _____. Don has _____.

2. Lily has a number that is both greater than 69 and less than 71. Emily has a number just before the number Lily has. What numbers do the children have?

Lily has _____. Emily has _____.

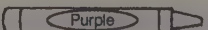


Writing and Reasoning Choose a number between 60 and 80. Write a riddle for the number.

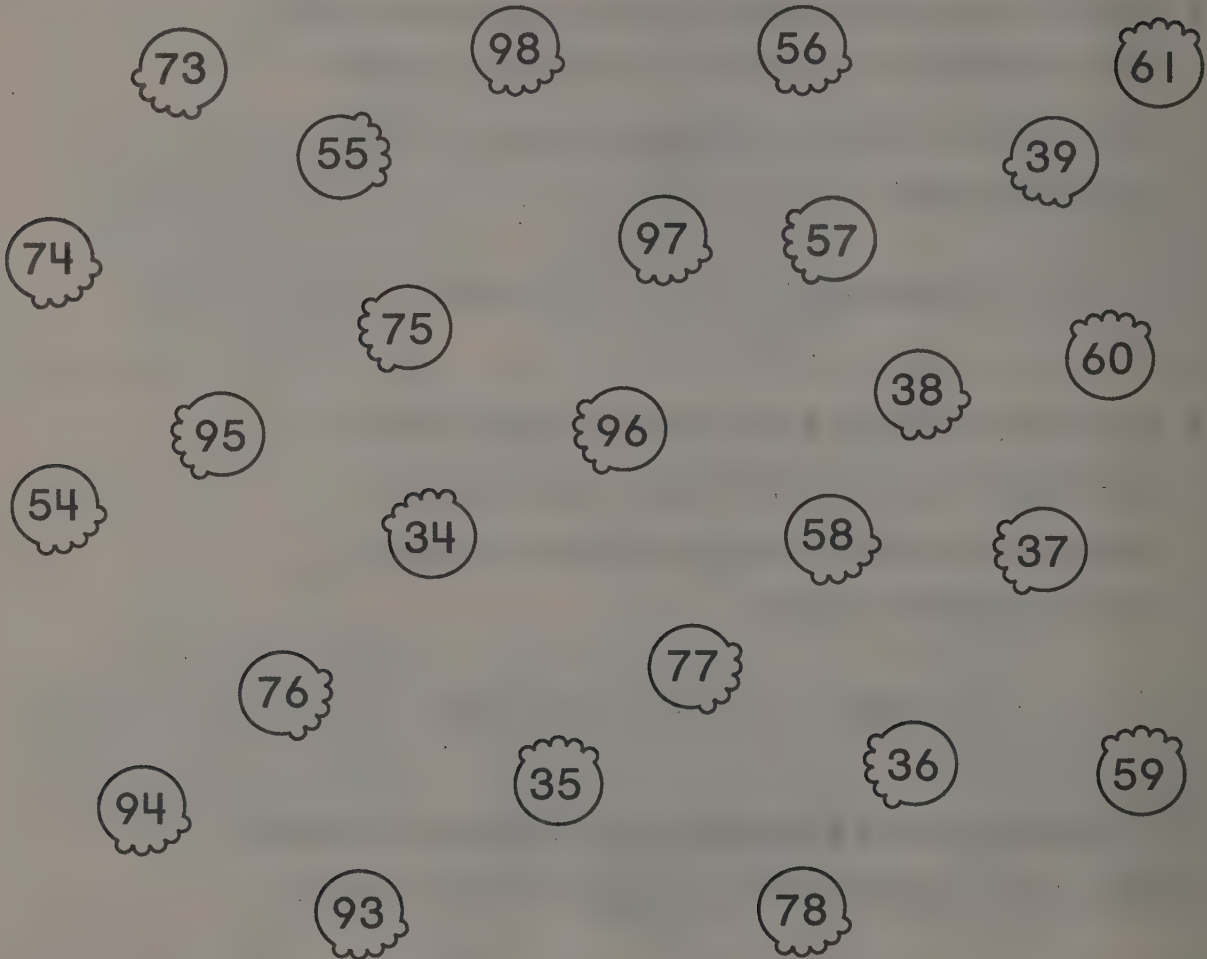
Name _____

Enrich

Paw Prints

Color the numbers that are
less than 50 .

Color the numbers that are
greater than 70 .



Writing and Reasoning Which numbers are
both greater than 50 and less than 70?

Name _____

What Is My Number?

Read the riddles. Write the numbers.

1. 47 is 10 less than my number.
67 is 10 more than my number.
What is my number? _____

2. 75 is 10 more than my number.
55 is 10 less than my number.
What is my number? _____

3. 71 is 10 less than my number.
What is my number? _____

4. 100 is 10 more than my number.
What is my number? _____

5. My number is 10 more than 88.
What is my number? _____

6. My number is 10 less than 10.
What is my number? _____



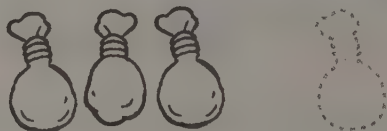
Writing and Reasoning Write your own riddle.

Name _____

Treasure Tens

Each  stands for 10. Draw the missing .
Write the missing numbers.
Then write a number sentence.

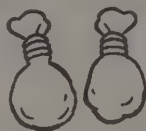
1.



$$\underline{3} \text{ tens} + 1 \text{ ten} = \underline{4} \text{ tens}$$

$$\underline{\quad} + \underline{10} = \underline{\quad}$$

2.



$$5 \text{ tens} + \underline{\quad} \text{ tens} = \underline{10} \text{ tens}$$

$$\underline{\quad} + \underline{\quad} = \underline{\quad}$$

3.



$$4 \text{ tens} + \underline{\quad} \text{ tens} = 6 \text{ tens}$$

$$\underline{\quad} + \underline{\quad} = \underline{\quad}$$



Writing and Reasoning Each  has

10 . Tom has 10  and 1 . How many  does Tom have in all?

Name _____

Different Difference

Solve. Cross out the subtraction in each row with the difference that does not match.

1. $80 - 30 = \underline{50}$	$60 - 20 = \underline{40}$	$70 - 20 = \underline{50}$
2. $70 - 50 = \underline{\quad}$	$30 - 20 = \underline{\quad}$	$80 - 70 = \underline{\quad}$
3. $90 - 30 = \underline{\quad}$	$70 - 10 = \underline{\quad}$	$50 - 20 = \underline{\quad}$
4. $60 - 40 = \underline{\quad}$	$90 - 80 = \underline{\quad}$	$50 - 40 = \underline{\quad}$
5. $40 - 20 = \underline{\quad}$	$60 - 30 = \underline{\quad}$	$20 - 0 = \underline{\quad}$
6. $90 - 20 = \underline{\quad}$	$70 - 10 = \underline{\quad}$	$80 - 10 = \underline{\quad}$
7. $80 - 40 = \underline{\quad}$	$60 - 20 = \underline{\quad}$	$50 - 20 = \underline{\quad}$



Writing and Reasoning How could you change one number in Exercise 1 to make each difference match? Explain.

Name _____

Add Some Color

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100

Use the hundred chart to add. Color the sum.

1. $40 + 17 =$ _____

2. $24 + 40 =$ _____

3. $72 + 3 =$ _____

4. $42 + 4 =$ _____

5. $20 + 33 =$ _____

6. $33 + 2 =$ _____

7. $5 + 61 =$ _____

8. $14 + 30 =$ _____



Writing and Reasoning Explain two ways to use the hundred chart to find a sum of 95.

Tens or Ones?

Circle the correct addend.

$$1. 52 + \begin{matrix} 3 \\ 30 \end{matrix} = 82$$

$$2. 12 + \begin{matrix} 7 \\ 70 \end{matrix} = 19$$

$$3. 44 + \begin{matrix} 4 \\ 40 \end{matrix} = 48$$

$$4. 33 + \begin{matrix} 6 \\ 60 \end{matrix} = 39$$

$$5. 17 + \begin{matrix} 2 \\ 20 \end{matrix} = 37$$

$$6. 11 + \begin{matrix} 8 \\ 80 \end{matrix} = 91$$

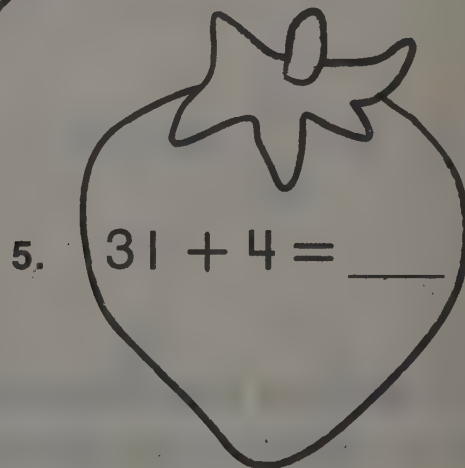
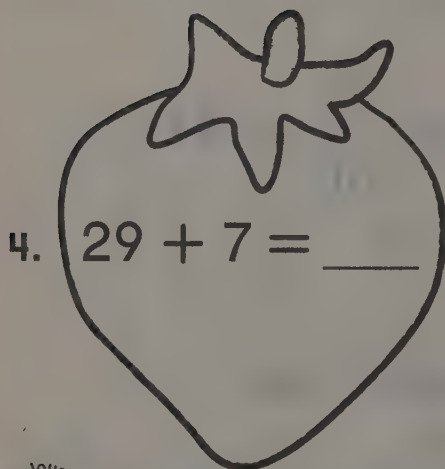
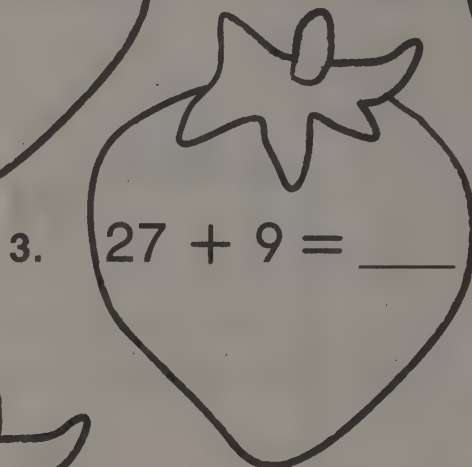
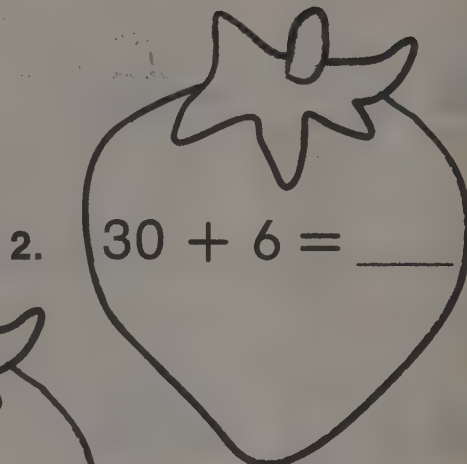
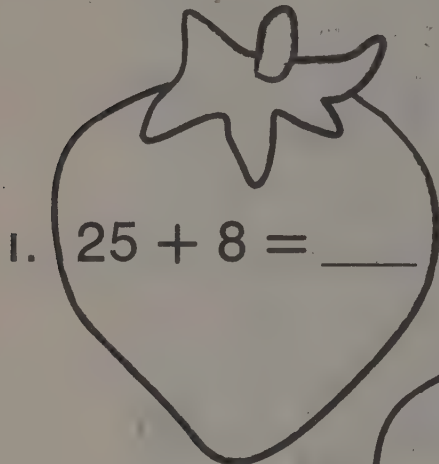


Writing and Reasoning In Exercise 1, how did you decide which addend was correct?

Name _____

Berry Easy Addition

Add. Circle the strawberries that have the same sum.



Writing and Reasoning Explain how you could make the other strawberries match the sum.

Add and Match

Match the addition with its sum. Then match tens or ones to make the number.

1. 4 tens + 2 tens	5 ones	76 68 85
2. 3 ones + 2 ones	6 tens	
3. 3 tens + 5 tens	6 ones	
4. 2 tens + 5 tens	7 tens	
5. 5 ones + 1 one	8 ones	
6. 4 ones + 4 ones	8 tens	



Writing and Reasoning How did you match Exercise 3?

Name _____

What Is the Problem?

Use each addition sentence to write your own word problem. Then solve your word problem.

1. $20 + 43 = \underline{\hspace{2cm}}$

2. $32 + 38 = \underline{\hspace{2cm}}$



Writing and Reasoning Choose one of the problems. Explain how you solved it.

Ticket Counter

Use the hundred chart to solve.

Circle the number of tickets Max has left after the petting zoo.

Max has 90 tickets to use at the fair.

First, Max uses 40 tickets to buy lemonade.

Then Max uses 5 tickets to get into the petting zoo.

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100



Writing and Reasoning Write two number sentences to show how Max used his tickets. Explain.

Name _____

Use the Clue

Use the clue to write the number you add or subtract. Then solve.

1. The second number is 10 less than the first number.

$$38 - \underline{\quad} = \underline{\quad}$$

2. The second number has 5 more ones than the first number.

$$22 + \underline{\quad} = \underline{\quad}$$

3. The second number has 3 tens and 4 ones.

$$9 + \underline{\quad} = \underline{\quad}$$

4. The second number has 0 tens and 0 ones.

$$55 + \underline{\quad} = \underline{\quad}$$



Writing and Reasoning Write a clue for an addend in the number sentence $15 + 25 = 40$.

Name _____

Lesson 12.1
Enrich

Draw to Add

1.

6 fish

and

2 more fish

8

fish

2.

4 cats

and

1 more cat

 cats

3.

4 dogs

and

3 more dogs

 dogs



Writing and Reasoning Explain how your drawing shows adding to in Exercise 3.

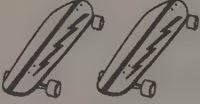
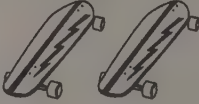
Name _____

Make Groups to Add

Choose two pictures.

Draw a line to show your choice.

Then write the sum.

1.			 _____
2.			_____
3.			_____
4.			_____



Writing and Reasoning Change 3  to 5 
in Exercise 4. How does that change your sum?

Name _____

Match to Find the Sum

Match the addition story problems
that have the same sum.

1. There are 2 black socks and 4 white socks. How many socks are there? _____	There are 2 small trees and 1 big tree. How many trees are there? _____
2. There is 1 big chair and 2 small chairs. How many chairs are there? _____	There are 5 black butterflies and 2 white butterflies. How many butterflies are there? _____
3. There are 4 blue boats and 3 yellow boats. How many boats are there? _____	There are 3 white cats and 3 gray cats. How many cats are there? <u>6</u>



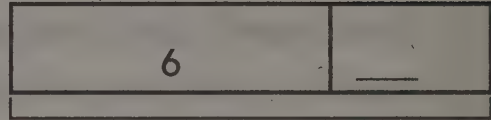
Writing and Reasoning Write a new addition story problem for one of the sums. Draw a picture to show the problem.

Name _____

Complete the Bar Model

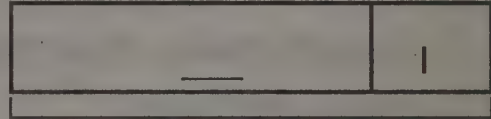
Complete the bar model. Write the addition sentence.

1. There are 6 birds in the nest.
Then 3 more birds join them.
How many birds are in the nest now?



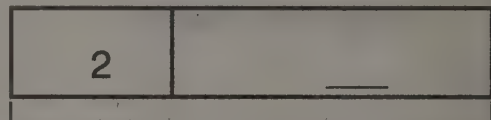
6 $\oplus$ 3 $\mathrel{=}$ 9

2. Some sheep are in a pen.
One more sheep joins them.
Then there are 4 sheep. How many sheep were in the pen before?



3 $\oplus$ 1 $\mathrel{=}$ 4

3. There are 2 flowers in a pot.
Some more flowers are added to the pot. Then there are 6 flowers.
How many flowers were added to the pot?



2 $\oplus$ 4 $\mathrel{=}$ 6



Writing and Reasoning 2 more flowers are put in the pot in Exercise 3. How many flowers are there now? Explain.

Name _____

Where Does Zero Go?

Complete the addition sentence.

Use the picture as a clue.

1.

$$\underline{2} + \underline{0} = \underline{2}$$



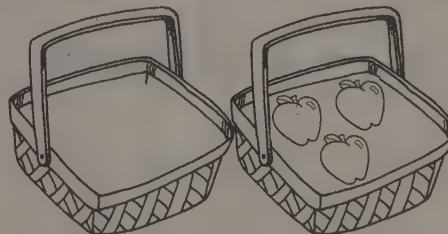
2.

$$\underline{\quad} + \underline{\quad} = \underline{\quad}$$



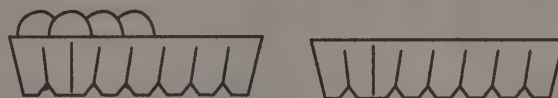
3.

$$\underline{\quad} + \underline{\quad} = \underline{\quad}$$



4.

$$\underline{\quad} + \underline{\quad} = \underline{\quad}$$



Writing and Reasoning What rule can you make about adding with 0?

Name _____

New Order, Same Sum

Write the missing number.

1.

$$1 + \underline{\quad} = 3 + 1$$

2.

$$3 + 2 = \underline{\quad} + 3$$

3.

$$2 + 4 = 4 + \underline{\quad}$$

4.

$$\underline{\quad} + 1 = 1 + 6$$

5.

$$\underline{\quad} + 3 = 3 + 5$$

6.

$$7 + 2 = 2 + \underline{\quad}$$

7.

$$2 + 5 = \underline{\quad} + \underline{\quad}$$

8.

$$\underline{\quad} + \underline{\quad} = 8 + 3$$



Writing and Reasoning Look at your answers. What rule can you make about the order of addends in an addition sentence?

Name _____

Complete the Sum

Draw more oranges to make 10.

Write the addition sentence.

1.			_____
----	---	---	-------

2.			_____
----	---	--	-------

3.			_____
----	---	--	-------



Writing and Reasoning Make your own problem like one above for a classmate to solve.

--	--	--	-------

Name _____

Stack the Story

Read the story. Write the addition problem to solve.

1. Lea ate 4 .

Then she ate 1 more .

Lea ate _____ .

+	

2. Ron and José each ate 1 .

Tai ate 1 , too.

The boys ate _____ .

+	

3. Miss Kim's class buys 4 .

Mr. Lin's class buys 6 .

Together they buy _____ .

+	



Writing and Reasoning Create

a story like the ones above. Have a classmate write an addition problem to solve it.

Name _____

Draw to Find the Difference

Draw to show each story. Circle the part you are taking from. The cross it out. Write how many there are now.

1.

7 birds

5 birds fly away.

_____ birds now

2.

9 cows

6 cows walk away.

_____ cows now



Writing and Reasoning Explain how you used your drawing to show Exercise 2.

Name _____

How Many Are There Now?

Solve. Complete the subtraction sentence.

Write the difference.

1. Phong had 3 boxes.

He lost 1.

$$\underline{\quad} - \underline{\quad} = \underline{\quad}$$

How many does he have now?

_____ boxes

2. There are 5 robins on a branch. 4 robins fly away.

$$\underline{\quad} - \underline{\quad} = \underline{\quad}$$

How many robins are there now?

_____ robin

3. Miss Smith had 8 stamps.

She lost 5.

$$\underline{\quad} - \underline{\quad} = \underline{\quad}$$

How many does she have now?

_____ stamps



Writing and Reasoning Miss Smith lost 2 more stamps. How many does she have now? Explain.

Name _____

Find the Missing Parts

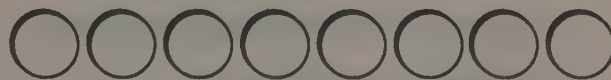
Write a number to complete the problem.

Color counters to show the problem.

Write a subtraction sentence to solve.

Write how many.

1. There are 8 .



_____ are short. The rest are tall.

How many are tall?

_____  are tall.



2. There are 9 .



_____ are big. The rest are small.

How many are small?

_____  are small.



Writing and Reasoning Explain how to use  to check your answer for Exercise 2.

Name _____

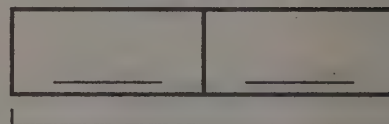
What's For Lunch?

Read the problem.

Complete the model and the number sentence.

Solve.

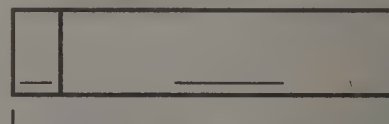
1. Allie has 10 grapes. She eats 5 grapes. How many grapes does she still have?



_____ grapes

$$\underline{\hspace{2cm}} - \underline{\hspace{2cm}} = \underline{\hspace{2cm}}$$

2. Mr. Dobbs makes 8 sandwiches. He makes 1 peanut butter sandwich. The rest are cheese. How many cheese sandwiches does He make?

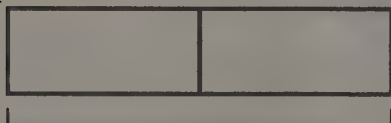


_____ cheese sandwiches

$$\underline{\hspace{2cm}} - \underline{\hspace{2cm}} = \underline{\hspace{2cm}}$$



Writing and Reasoning Write your own subtraction problem. Use the bar model to solve your problem.



Name _____

Solve the Story

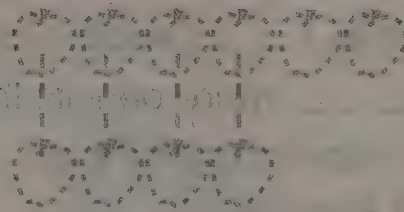
Draw a picture to compare. Complete the subtraction sentence to solve.

1. Geo has 6 .

Lora has 2 fewer .

How many  does

Lora have?



_____ - _____ = _____

_____ has _____ .

2. Dana has 8 .

Gabe has 1 .

Tell who has more .

How many more ?

_____ - _____ = _____

_____ has _____ more .



Writing and Reasoning Geo and Lora have

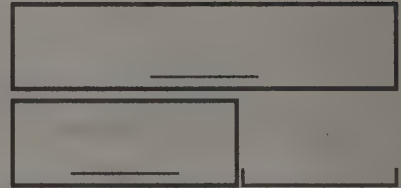
10 . Dana and Gabe have 9 . Explain how to compare  and .

Name _____

Get Ready for School?

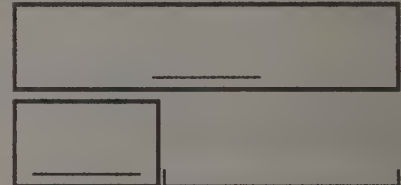
Write numbers for the problem. Use the bar model to solve. Write the number sentence.

1. Jay has _____ pencils. Jay has _____ more pencils than Ken. How many pencils does Ken have?



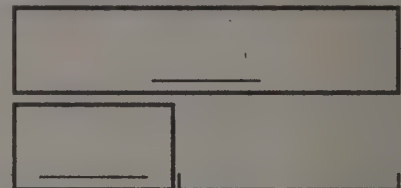
_____ ○ _____ ○ _____

2. Sam has _____ scarves. Sam has _____ more scarves than Jane. How many scarves does Jane have?



_____ ○ _____ ○ _____

3. Lee has _____ books. Lee has _____ more books than Amy. How many books does Amy have?



_____ ○ _____ ○ _____



Writing and Reasoning How do you know which number belongs in the top of the bar model in Exercise 3?

Name _____

A Zero Picture

Write the difference for each box. Use a black crayon to color in each box that has a zero difference to find a picture.

$8 - 0 = \underline{\quad}$		$6 - 6 = \underline{\quad}$		$6 - 0 = \underline{\quad}$
$1 - 0 = \underline{\quad}$	$5 - 5 = \underline{\quad}$	$7 - 0 = \underline{\quad}$	$2 - 2 = \underline{\quad}$	$4 - 0 = \underline{\quad}$
$2 - 0 = \underline{\quad}$	$1 - 1 = \underline{\quad}$	$3 - 0 = \underline{\quad}$	$3 - 3 = \underline{\quad}$	$5 - 0 = \underline{\quad}$
$6 - 0 = \underline{\quad}$	$7 - 7 = \underline{\quad}$	$2 - 0 = \underline{\quad}$	$8 - 8 = \underline{\quad}$	$8 - 0 = \underline{\quad}$
$3 - 0 = \underline{\quad}$		$4 - 4 = \underline{\quad}$		$1 - 0 = \underline{\quad}$



Writing and Reasoning Write the difference for the following problem: $0 - 0 = \underline{\quad}$. If you are right, your answer will match the picture above.

Name _____

Take Apart Seven

Write the missing numbers to complete the table to take apart 7.

1.	_____	—	_____	=	7
2.	_____	—	1	=	_____
3.	7	—	_____	=	_____
4.	_____	—	3	=	_____
5.	7	—	_____	=	_____
6.	_____	—	5	=	_____
7.	7	—	_____	=	_____
8.	_____	—	_____	=	0



Writing and Reasoning What patterns do you see in the table?

Name _____

Complete That Sentence

Draw and write to show
a subtraction problem.

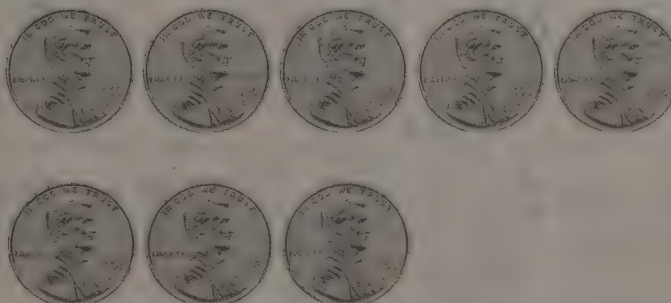
1.



2.



3.



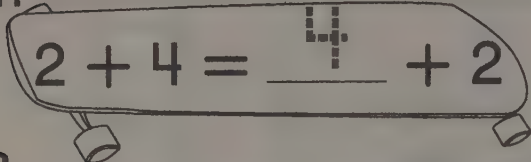


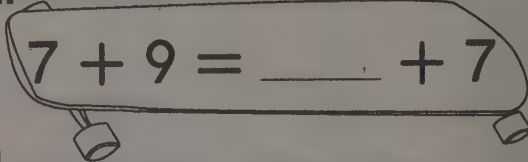
Writing and Reasoning Draw your own picture. Have a friend write the subtraction problem that matches it.

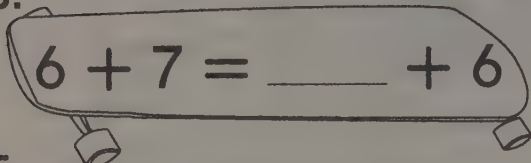
Name _____

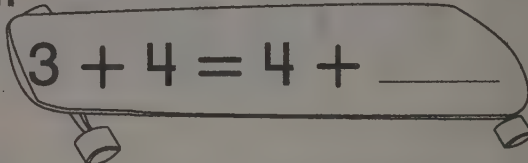
Add in Any Order

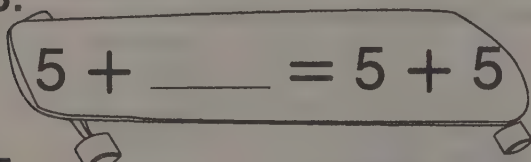
Write the missing number.

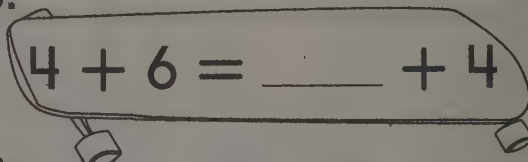
1.  $2 + 4 = 4 + 2$

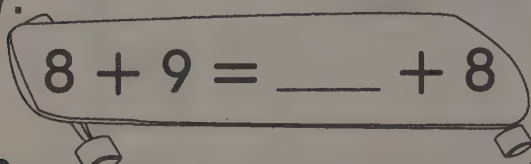
2.  $7 + 9 = ___ + 7$

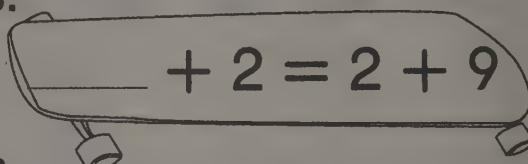
3.  $6 + 7 = ___ + 6$

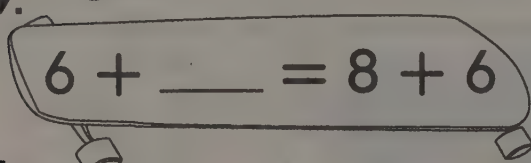
4.  $3 + 4 = 4 + ___$

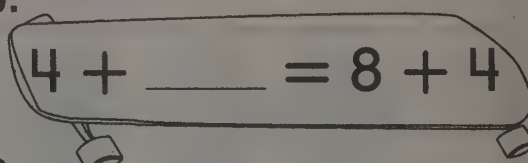
5.  $5 + ___ = 5 + 5$

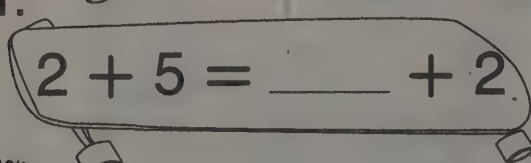
6.  $4 + 6 = ___ + 4$

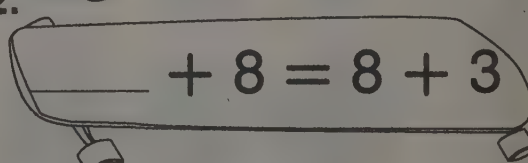
7.  $8 + 9 = ___ + 8$

8.  $___ + 2 = 2 + 9$

9.  $6 + ___ = 8 + 6$

10.  $4 + ___ = 8 + 4$

11.  $2 + 5 = ___ + 2$

12.  $___ + 8 = 8 + 3$

**Writing and Reasoning** Look at Exercise 1.How do you know that $2 + 4 = 4 + 2$? Explain.

Count On Codes

 means count on 1.

 means count on 2.

 means count on 3.

Follow the code to count on.

1. $2 \triangle = 3$

3. $4 \square = \underline{\hspace{2cm}}$

5. $10 \star = \underline{\hspace{2cm}}$

2. $9 \square = \underline{\hspace{2cm}}$

4. $13 \star = \underline{\hspace{2cm}}$

6. $8 \triangle = \underline{\hspace{2cm}}$

Write the starting number.

7. $\underline{\hspace{2cm}} \star = 9$

9. $\underline{\hspace{2cm}} \square = 12$

11. $\underline{\hspace{2cm}} \star = 7$

8. $\underline{\hspace{2cm}} \triangle = 4$

10. $\underline{\hspace{2cm}} \square = 9$

12. $\underline{\hspace{2cm}} \triangle = 11$



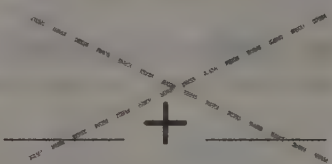
Writing and Reasoning Choose new codes for count on 1, 2, and 3. Write your own problems.

Name _____

No Doubles, No Problem

Write a doubles fact for each sum if you can.

Mark an X on the addition sentence if you cannot make a doubles fact.

1.  +  = 2	2.  = 5
3. _____ + _____ = 10	4. _____ + _____ = 11
5. _____ + _____ = 9	6. _____ + _____ = 6
7. _____ + _____ = 4	8. _____ + _____ = 7
9. _____ + _____ = 13	10. _____ + _____ = 8

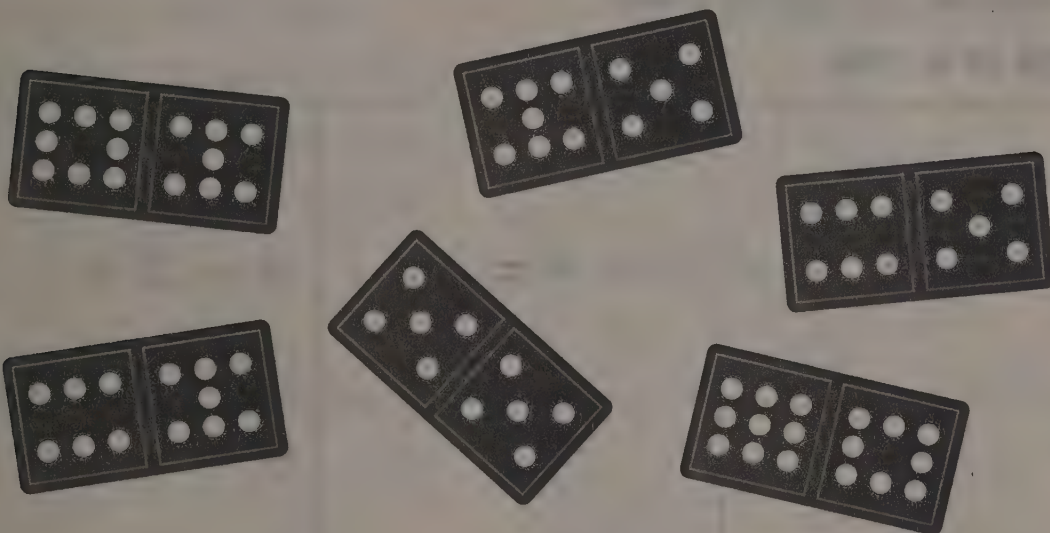


Writing and Reasoning Draw ○ to show why you cannot make a doubles fact for Exercise 2.

Name _____

Domino Addition

Circle four dominoes. Write the addition sentences for them.



1. $\square + \square = \square$	2. $\square + \square = \square$
3. $\square + \square = \square$	4. $\square + \square = \square$



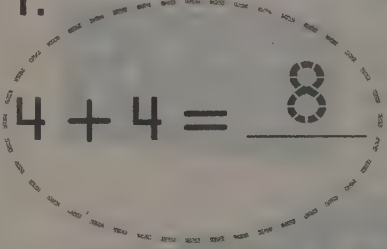
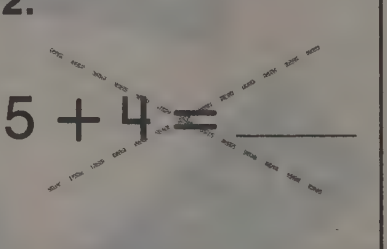
Writing and Reasoning Can you use doubles to help you find any of the sums? Explain.

Name _____

Tic-Tac-Doubles

Add. Circle doubles facts.

Draw an X on doubles plus or minus one facts. Find three in a row.

1.  $4 + 4 = 8$	2.  $5 + 4 =$	3. $4 + 3 =$
4. $2 + 1 =$	5. $6 + 5 =$	6. $3 + 3 =$
7. $3 + 2 =$	8. $8 + 8 =$	9. $5 + 5 =$



Writing and Reasoning You want to make three in a row in a different way. Which fact would you change? How would you change it?

Fact Balloons

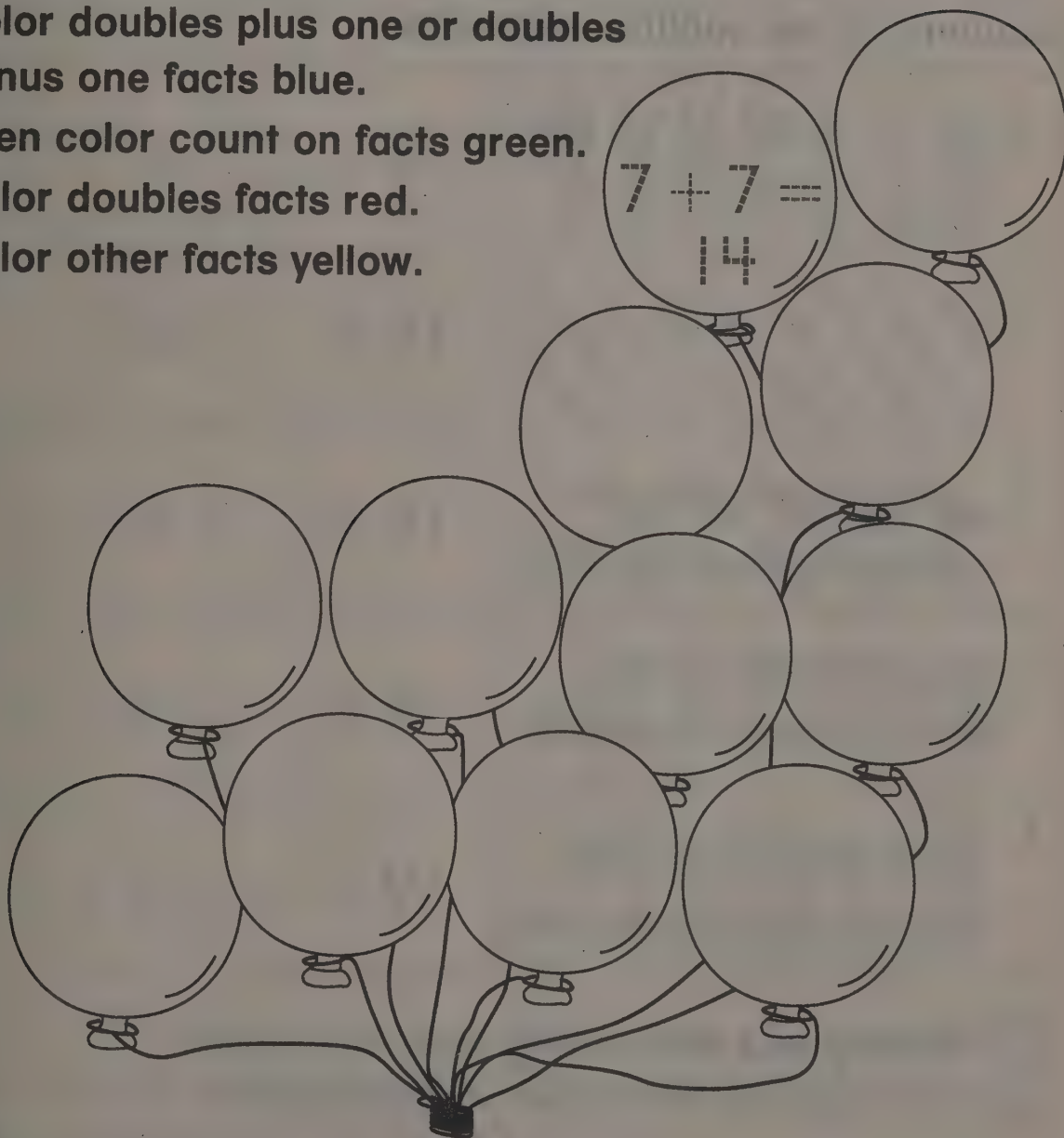
Write an addition fact in each balloon.

Color doubles plus one or doubles minus one facts blue.

Then color count on facts green.

Color doubles facts red.

Color other facts yellow.

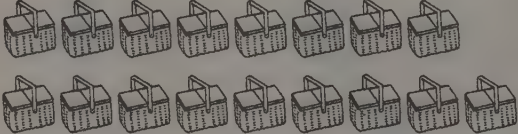


Writing and Reasoning How did you decide what fact to write in each balloon? Explain.

Name _____

Find Ten

Circle ten in each picture. Use the picture to complete the addition sentence.

1. 	$10 + \underline{4} = \underline{14}$
2. 	$10 + \underline{\quad} = \underline{\quad}$
3. 	$10 + \underline{\quad} = \underline{\quad}$
4. 	$10 + \underline{\quad} = \underline{\quad}$
5. 	$10 + \underline{\quad} = \underline{\quad}$



Writing and Reasoning How did counting out 10 first help you find the sum in Exercise 5?

Name _____

Make-a-Ten Match

Draw a line to match the addition.

Then match the sum.

1.	$5 + 6$	$10 + 4$	12
2.	$8 + 6$	$10 + 3$	11
3.	$9 + 7$	$10 + 1$	16
4.	$7 + 6$	$10 + 2$	14
5.	$6 + 6$	$10 + 6$	13

Note: Dashed lines indicate matches from the first column to the second and third columns.



Writing and Reasoning Explain how you matched the make-a-ten fact for Exercise 4.

Name _____

Tens on the Table

Complete the table. Write two different ways to make a ten. Find the sum.

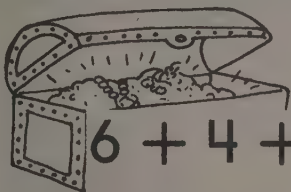
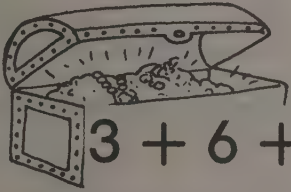
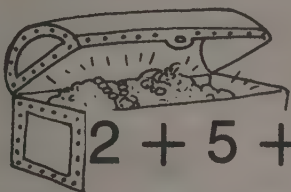
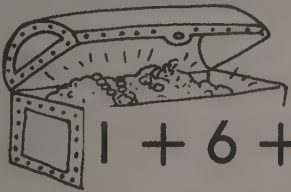
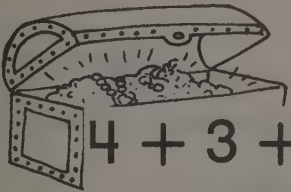
1. $5 + 7$	$\begin{array}{c} __ + __ + __ \\ \diagdown \quad \diagup \\ 10 \end{array}$	$\begin{array}{c} __ + __ + __ \\ \diagdown \quad \diagup \\ 10 \end{array}$	
2. $7 + 6$	$\begin{array}{c} __ + __ + __ \\ \diagdown \quad \diagup \\ 10 \end{array}$	$\begin{array}{c} __ + __ + __ \\ \diagdown \quad \diagup \\ 10 \end{array}$	
3. $6 + 8$	$\begin{array}{c} __ + __ + __ \\ \diagdown \quad \diagup \\ 10 \end{array}$	$\begin{array}{c} __ + __ + __ \\ \diagdown \quad \diagup \\ 10 \end{array}$	
4. $7 + 8$	$\begin{array}{c} __ + __ + __ \\ \diagdown \quad \diagup \\ 10 \end{array}$	$\begin{array}{c} __ + __ + __ \\ \diagdown \quad \diagup \\ 10 \end{array}$	
5. $9 + 7$	$\begin{array}{c} __ + __ + __ \\ \diagdown \quad \diagup \\ 10 \end{array}$	$\begin{array}{c} __ + __ + __ \\ \diagdown \quad \diagup \\ 10 \end{array}$	

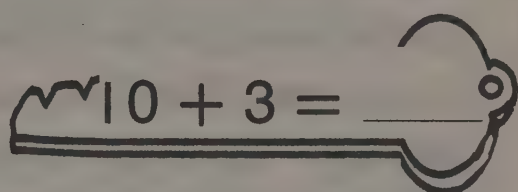
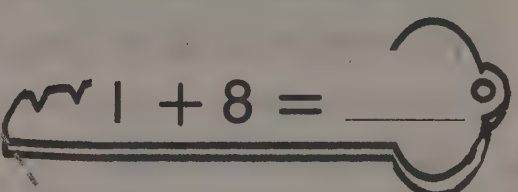
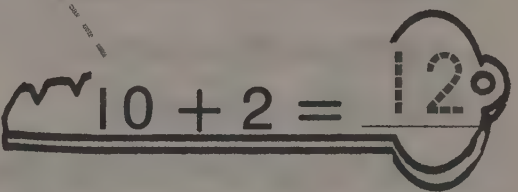
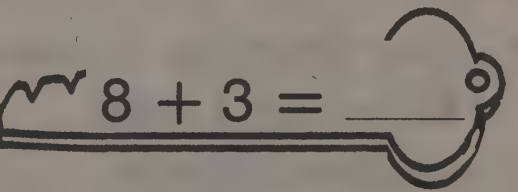
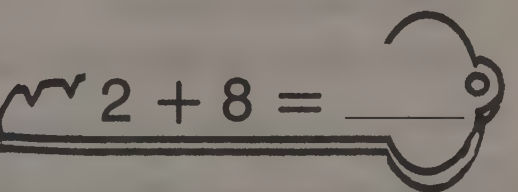


Writing and Reasoning What do you notice in the last column? Explain.

Unlock the Sum

Draw a line to match. Find the sum.

1.  $6 + 4 + 2 =$
2.  $3 + 6 + 4 =$
3.  $2 + 5 + 3 =$
4.  $1 + 6 + 2 =$
5.  $4 + 3 + 4 =$

 $10 + 3 =$
 $1 + 8 =$
 $10 + 2 = 12$
 $8 + 3 =$
 $2 + 8 =$



Writing and Reasoning Rewrite

$2 + 4 + 3$ in two different ways.

____ + ____ = 9

____ + ____ = 9

Name _____

What Four?

Solve. Draw a picture.

1.	Lance sees 3 birds in the nest. Dustin sees 2 birds on a branch. Will sees 4 birds on the ground. Luisa sees 5 birds in the sky. How many birds do they see?	_____ birds
2.	Juan eats 3 berries. Shayla eats 7 berries. Joseph eats 6 berries. Sara eats 3 berries. How many berries do they eat?	_____ berries
3.	Four friends buy 17 books. Mateo buys 6 books. Lucy buys 4 books. Cara buys 2 books. How many books does Li buy?	_____ books



Writing and Reasoning Explain how you added each number in Exercise 3.

Use the Picture to Solve

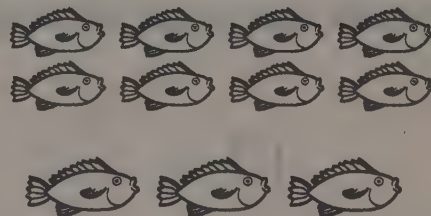
Write numbers in the problem to match the picture. Complete the addition sentence to solve.

1. There are 8 small fish
in a pond.

There are 3 big fish.

How many fish are there?

$$\underline{8} + \underline{3} = \underline{11} \text{ fish}$$



2. There are _____ black ducks
by the pond.

There are _____ white ducks.

There are _____ gray ducks.

How many ducks are there?

$$\underline{\quad} + \underline{\quad} + \underline{\quad} = \underline{\quad}$$



Writing and Reasoning Change the addends in Exercise 2. Draw a picture to solve. Write an addition sentence to check.

Name _____

Decode to Count Back

	means count back 1.
	means count back 2.
	means count back 3.

Follow the code to count back.

1. 10  8 _____

2. 6  _____

3. 9  _____

4. 8  _____

5. 11  _____

6. 7  _____

Write the starting number.

7. 6  5

8. _____  2

9. _____  4

10. _____  6



Writing and Reasoning Using the codes above, write two problems.

Name _____

Addition and Subtraction Riddles

Write the two number sentences described in the riddle. Then write the missing number to solve the riddle.

1. Add us together to make 9.

Take one away from the other to get 3.

What numbers are we?

3 and 6

$$\begin{array}{ccccccc} \underline{3} & \oplus & \underline{6} & \ominus & \underline{9} \\ \underline{6} & \ominus & \underline{3} & \ominus & \underline{3} \end{array}$$

2. Our difference is 6.

We have a sum of 14.

What numbers are we?

_____ and 10

$$\begin{array}{ccccccc} \underline{\quad} & \bigcirc & \underline{\quad} & \bigcirc & \underline{\quad} \\ \underline{\quad} & \bigcirc & \underline{\quad} & \bigcirc & \underline{\quad} \end{array}$$

3. Our difference is 2.

We have a sum of 12.

What numbers are we?

_____ and 7

$$\begin{array}{ccccccc} \underline{\quad} & \bigcirc & \underline{\quad} & \bigcirc & \underline{\quad} \\ \underline{\quad} & \bigcirc & \underline{\quad} & \bigcirc & \underline{\quad} \end{array}$$



Writing and Reasoning Choose two numbers. Use them to write a riddle like the ones above. Write the two number sentences.

Name _____

Fact Match

Write the missing numbers. Use addition to match the subtraction sentence.



$$\underline{7} + 1 = 8$$



$$8 - \underline{\quad} = 4$$



$$\underline{\quad} + 8 = 10$$



$$11 - \underline{\quad} = 6$$



$$4 + \underline{\quad} = 8$$



$$8 - 1 = \underline{\quad}$$



$$6 + \underline{\quad} = 11$$



$$10 - 8 = \underline{\quad}$$



Writing and Reasoning Write an addition fact and a subtraction fact for the picture.



_____	○	_____	○	_____
_____	○	_____	○	_____

Name _____

Write a Problem

Write a problem for the number sentence.

Then make a ten to solve the problem.

1. $17 - 8 = \underline{\quad ? \quad}$

Problem:

Answer:

2. $15 - 6 = \underline{\quad ? \quad}$

Problem:

Answer:



Writing and Reasoning Explain how you made a ten to solve the second problem.

Name _____

Break-Apart Match

Draw a line to match the subtraction.
Then match the difference.

1.	$12 - 5$	$13 - 3 = 10$ $10 - 2 = ?$	9
2.	$13 - 6$	$12 - 2 = 10$ $10 - 3 = ?$	8
3.	$13 - 5$	$12 - 2 = 10$ $10 - 5 = ?$	5
4.	$12 - 7$	$13 - 3 = 10$ $10 - 3 = ?$	7



Writing and Reasoning Explain how you matched the fact for Exercise 4.

Name _____

Fill in Your Own Blanks

Write your own numbers in each problem.

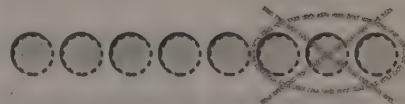
Draw ○ to solve.

1. Labron has 8 stickers.

He gives some away.

He has 5 left.

How many stickers does he give away? 3 stickers



2. There are _____ lizards on the tree.

_____ more lizards join them.

How many lizards are on the tree? _____ lizards

3. Elena has _____ cookies.

She gives some away.

She has _____ left.

How many cookies does she give away? _____ cookies



Writing and Reasoning How did you solve Exercise 3? Explain how drawing a picture helps you find the answer.

Name _____

Missing Numbers

Choose a number to complete the story.

Solve. Use   to help you.

1. Macy has 8 markers. She loses

3 markers. How many
markers does she have left?



$$8 - \frac{3}{5} = \frac{5}{5} \text{ markers}$$

2. There are 15 balloons. _____ balloons
are green. The rest are purple.
How many balloons are purple?



$$15 - \underline{\hspace{1cm}} = \underline{\hspace{1cm}}$$

_____ purple balloons

3. Al has _____ books. He gives
away 3 books. How many
books does he have left?



$$\underline{\hspace{1cm}} - 3 = \underline{\hspace{1cm}}$$

_____ books

4. There are 9 big fish. There are _____
small fish. How many more big fish
are there than small fish?



$$9 - \underline{\hspace{1cm}} = \underline{\hspace{1cm}}$$

_____ more big fish

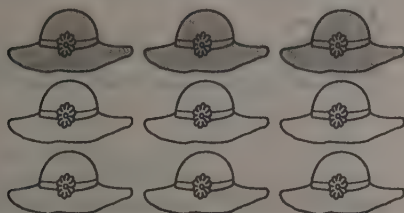


Writing and Reasoning What number of
books can Al not have in Exercise 3? Explain.

Addition and Subtraction Facts

Write a number sentence to match the picture. Then write a related fact.

1.



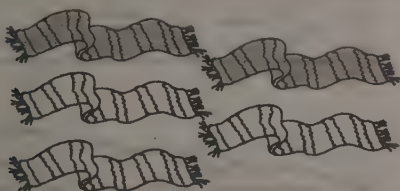
_____	○	_____	○	_____
_____	○	_____	○	_____

2.



_____	○	_____	○	_____
_____	○	_____	○	_____

3.



_____	○	_____	○	_____
_____	○	_____	○	_____

4.



_____	○	_____	○	_____
_____	○	_____	○	_____

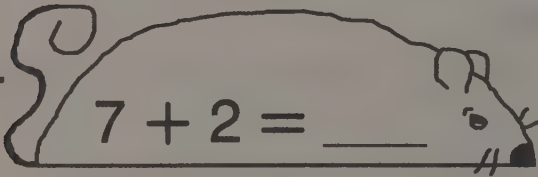


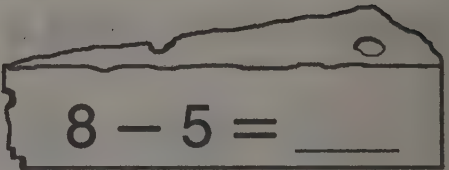
Writing and Reasoning Draw a picture.

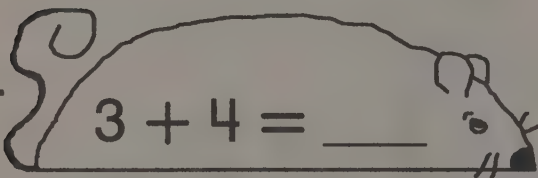
Color some objects one color and the rest a different color. Have a classmate write two number sentences for your picture.

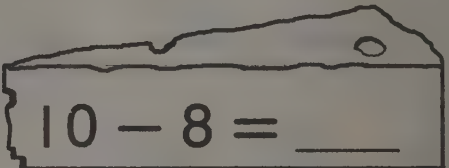
Mice and Cheese Relate

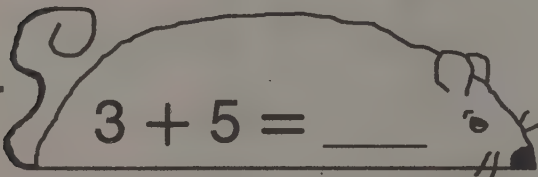
Add and subtract. Draw a line from mouse to cheese to match related facts.

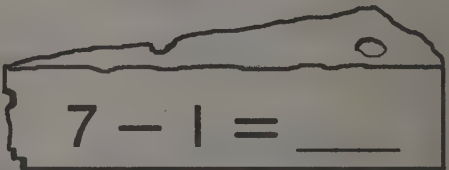
1.  $7 + 2 = \underline{\quad}$

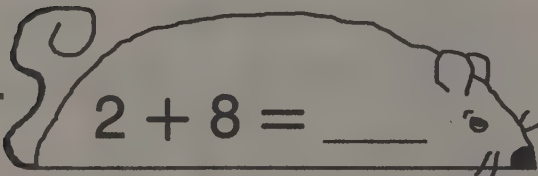
 $8 - 5 = \underline{\quad}$

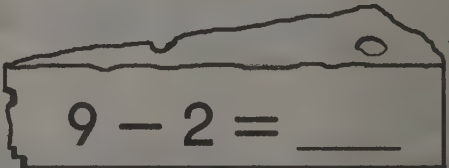
2.  $3 + 4 = \underline{\quad}$

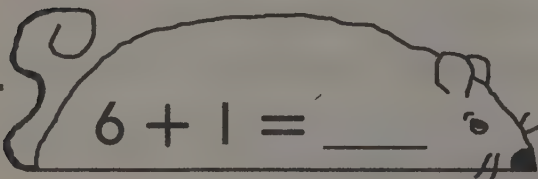
 $10 - 8 = \underline{\quad}$

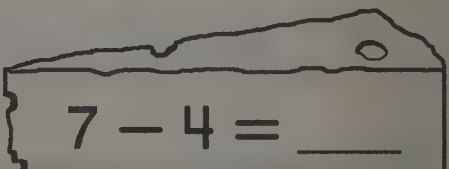
3.  $3 + 5 = \underline{\quad}$

 $7 - 1 = \underline{\quad}$

4.  $2 + 8 = \underline{\quad}$

 $9 - 2 = \underline{\quad}$

5.  $6 + 1 = \underline{\quad}$

 $7 - 4 = \underline{\quad}$



Writing and Reasoning Write a third related fact for each pair above.

Name _____

Card Facts

Choose 3 numbers to
make a subtraction fact. Write it.

Then add to check.

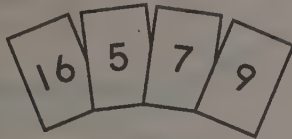
1.



$$\underline{\quad} - \underline{\quad} = \underline{\quad}$$

$$\underline{\quad} + \underline{\quad} = \underline{\quad}$$

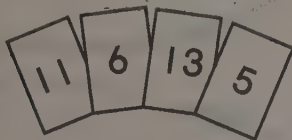
2.



$$\underline{\quad} - \underline{\quad} = \underline{\quad}$$

$$\underline{\quad} + \underline{\quad} = \underline{\quad}$$

3.



$$\underline{\quad} - \underline{\quad} = \underline{\quad}$$

$$\underline{\quad} + \underline{\quad} = \underline{\quad}$$



Writing and Reasoning Change one
number on the cards in Exercise 3 to make a
new subtraction fact. Tell what you did.

Chicken and Egg Match

Write the missing numbers. Match each chicken to the egg with the related fact.

1.

$$\square + 2 = 7$$

$$14 - \square = 10$$

2.

$$10 + \square = 14$$

$$12 - 9 = \square$$

3.

$$\square + 6 = 11$$

$$7 - 2 = \square$$

4.

$$9 + \square = 12$$

$$11 - \square = 6$$



Writing and Reasoning Write a third related number sentence for each pair above.

Name _____

Addition and Subtraction Riddles

Write the missing number to solve the riddle.

Then write two related number sentences.

1. We have a sum of 6.

We have a difference of 2.

What numbers are we?

4 and _____

4 ○ _____ ○ 6

_____ ○ _____ ○ _____

2. We have a sum of 9.

We have a difference of 3.

What numbers are we?

6 and _____

6 ○ _____ ○ _____

_____ ○ _____ ○ _____

3. Together we make 12.

Our difference is 0.

What numbers are we?

6 and _____

_____ ○ 6 ○ _____ 12

_____ ○ _____ ○ _____

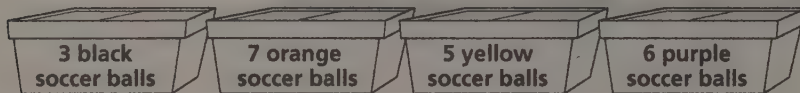


Writing and Reasoning Choose two numbers. Use them to write a riddle like Exercise 1. Then write two related number sentences.

Name _____

Coach's Choice

Coach puts away some soccer balls.
Each bin holds 1 ball. There are 16 bins.



Write addition and subtraction sentences to solve.
Then circle yes or no.

1. Coach puts the black and the yellow soccer balls in the bins. Can she fit all of the orange soccer balls in the bins, too?

yes no

_____	☐	_____	☐	_____
black		yellow		total
soccer balls		soccer balls		soccer balls
_____	☐	_____	☐	_____
bins		soccer balls		bins left

2. Coach puts the orange soccer balls in the bins. Can she fit all of the yellow and the purple soccer balls in the bins, too?

yes no

_____	☐	_____	☐	_____
_____	☐	_____	☐	_____



Writing and Reasoning Coach empties 3 boxes and fills all the bins exactly. How can she do that?

Name _____

Code Facts

List all the ways to make the numbers using the code shapes shown here.



1.



$$\underline{\quad} + \underline{\quad} = \boxed{\quad}$$

$$\underline{\quad} + \underline{\quad} = \boxed{\quad}$$

$$\underline{\quad} + \underline{\quad} = \boxed{\quad}$$

$$\underline{\quad} - \underline{\quad} = \boxed{\quad}$$

$$\underline{\quad} - \underline{\quad} = \boxed{\quad}$$

$$\underline{\quad} - \underline{\quad} = \boxed{\quad}$$

$$\underline{\quad} - \underline{\quad} = \boxed{\quad}$$

2.



$$\underline{\quad} + \underline{\quad} = \bigcirc$$

$$\underline{\quad} + \underline{\quad} = \bigcirc$$

$$\underline{\quad} + \underline{\quad} = \bigcirc$$

$$\underline{\quad} + \underline{\quad} = \bigcirc$$

$$\underline{\quad} + \underline{\quad} = \bigcirc$$

$$\underline{\quad} + \underline{\quad} = \bigcirc$$

$$\underline{\quad} + \underline{\quad} = \bigcirc$$



Writing and Reasoning Choose another number. Use the code to write all the ways to make that number.

Shape Number Code

Draw the shape to make each number sentence true.

Shape Code

▲ stands for 8

● stands for 1

■ stands for 4

♥ stands for 2

1. $9 + 3 = \square + \square$

2. $12 = \square + \square + \square$

3. $3 + \square = 7 - 0$

4. $\square + \square = 5 + \square$

5. $16 = 6 + \square + \square$

6. $7 + \square = 10 - \square$



Writing and Reasoning Explain how you chose the shapes for Exercise 5.

Name _____

Math Fact Hints

Use the hint to add or subtract.

1. **Hint** One addend is 1 less than the other.

$$\square + \square = 11$$

2. **Hint** The difference is 10.

$$15 - \square = \square$$

3. **Hint** Use the number 9 two times in this math fact.

$$\square - \square = 9$$

4. **Hint** One addend is 3 more than the other.

$$\square + \square = 13$$

5. **Hint** The difference is greater than 6 and less than 8.

$$9 - \square = \square$$

6. **Hint** The addends are the same.

$$\square + \square = \square$$



Writing and Reasoning What other fact can you write for Exercise 6? Explain.

Name _____

Good Strategy!

Write any number from 3 to 9 in the box. Choose a strategy to help you find the sum or difference. Then write the strategy you used. Try to use each strategy.

Strategies I know

- count on
- count back
- doubles plus one
- doubles minus one
- make a ten
- use a related fact

1. $11 - \square = \underline{\hspace{2cm}}$

Strategy _____

2. $6 + \square = \underline{\hspace{2cm}}$

Strategy _____

3. $8 + \square = \underline{\hspace{2cm}}$

Strategy _____

4. $12 - \square = \underline{\hspace{2cm}}$

Strategy _____

5. $9 - \square = \underline{\hspace{2cm}}$

Strategy _____

6. $7 + \square = \underline{\hspace{2cm}}$

Strategy _____



Writing and Reasoning For Exercise 4, explain why you chose the strategy you used.

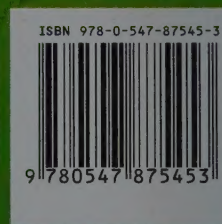


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