

School-Home Letter

Dear Family,

My class started Chapter 3 this week. In this chapter, we will use different ways to practice our basic addition and subtraction facts.

Love, _____

Vocabulary

addend $4 + 5 = 9$

The addends are 4 and 5.

sum $4 + 5 = 9$

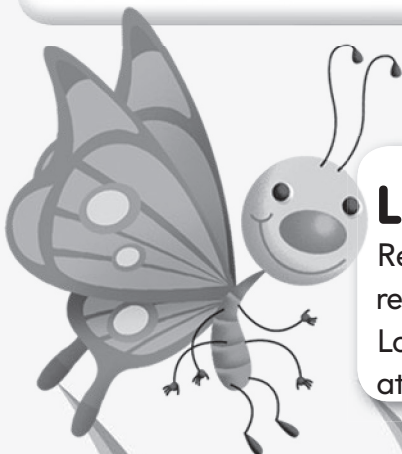
The sum is 9.

difference $12 - 4 = 8$

The difference is 8.

Home Activity

Write 5 addition problems (with sums through 10) on individual slips of paper. Write their sums on separate slips. Have your child choose a sum and then match it to the correct addition problem. Repeat until all the problems have been matched correctly with sums.



Literature

Reading math stories reinforces ideas. Look for these books at the library.

Cats Add Up

by Marilyn Burns and Dianne Ochiltree.
Cartwheel Books, 1998.

Each Orange Had 8 Slices

by Paul Giganti.
HarperTrophy, 1999.

Carta para la Casa

Querida familia:

Mi clase comenzó el Capítulo 3 esta semana. En este capítulo, usaremos diferentes modos de practicar nuestras operaciones básicas de suma y resta.

Con cariño, _____

Vocabulario

sumando $4 + 5 = 9$

Los sumandos son 4 y 5.

suma $4 + 5 = 9$

La suma es 9.

diferencia $12 - 4 = 8$

La diferencia es 8.

Actividad para la casa

Escriba 5 problemas de suma (con sumas hasta 10) en diferentes pedazos de papel. Escriba los totales en papeles diferentes. Pídale a su hijo que elija un total y lo haga coincidir con el problema correcto. Repita los pasos hasta que todos los problemas concuerden con los totales.

Literatura

Leer cuentos de matemáticas refuerza los conceptos. Busque estos libros en la biblioteca.

Cats Add Up

por Marilyn Burns y
Dianne Ochiltree.
Cartwheel Books, 1998.

Each Orange Had 8 Slices

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Going Places with GOMATH! Words



Going to a Coral Reef

For 2 players

Materials

- 1 die
- 1 game board
- 1 set of word cards

How to Play

1. Each player chooses a die and puts it on START.
2. Toss the die to take a turn. Move your die that many spaces around the track to the right.
3. If you land on these squares:
 - White Space** Tell the meaning of the math word or use it in a sentence. If you are correct, jump to the next space with that word.
 - Green Space** Follow the directions on the space. If there are no directions, stay where you are.
4. The first player to reach FINISH wins.

Word Box

addends
difference
digit
even numbers
is equal to (=)
odd numbers
sum
tens

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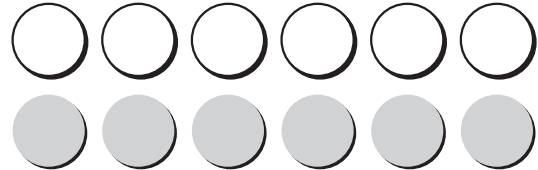
Name _____

Use Doubles Facts

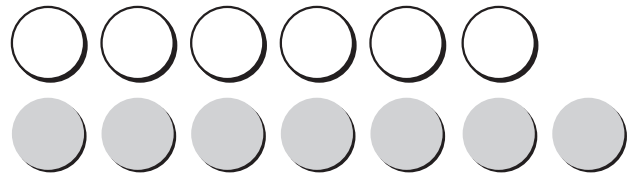
Use doubles facts to help you find sums.

If you know $6 + 6$,
you can find $6 + 7$.

$$\underline{6} + \underline{6} = \underline{12}$$



7 is 1 more than 6.
So $6 + 7$ is 1 more than $6 + 6$.



$$\underline{6} + \underline{7} = \underline{13}$$

**Write a doubles fact you can use
to find the sum. Write the sum.**

1. $4 + 5 = \underline{\quad}$ $\underline{\quad} + \underline{\quad} = \underline{\quad}$

2. $5 + 6 = \underline{\quad}$ $\underline{\quad} + \underline{\quad} = \underline{\quad}$

3. $7 + 8 = \underline{\quad}$ $\underline{\quad} + \underline{\quad} = \underline{\quad}$

4. $8 + 9 = \underline{\quad}$ $\underline{\quad} + \underline{\quad} = \underline{\quad}$

Name _____

What Number Am I?

Use doubles facts to solve.
Write the number.

1. I am one more than the sum of the doubles fact for 2.
What number am I?

 5

2. I am one less than the sum of the doubles fact for 4.
What number am I?

3. I am one less than the sum of the doubles fact for 6.
What number am I?

4. I am one more than the sum of the doubles fact for 5.
What number am I?

5. I am one more than the sum of the doubles fact for 3.
What number am I?

6. I am one less than the sum of the doubles fact for 9.
What number am I?



Writing and Reasoning

Are your answers odd numbers or even numbers? Explain how you know.

Name _____

Practice Addition Facts

Use what you know to find sums.

Add in any order.



$$3 + 5 = \underline{8}$$

If you know $3 + 5$,
then you know $5 + 3$.



$$5 + 3 = \underline{8}$$

Count on to add. To add 1, 2, or 3 to any
number, count on from that number.



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

Write the sums.

1. $5 + 7 = \underline{\quad}$

$7 + 5 = \underline{\quad}$

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

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

3. $6 + 2 = \underline{\quad}$

$6 + 3 = \underline{\quad}$

4. $\underline{\quad} = 9 + 5$

$\underline{\quad} = 5 + 9$

5. $7 + 3 = \underline{\quad}$

$3 + 7 = \underline{\quad}$

6. $5 + 2 = \underline{\quad}$

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

7. $\underline{\quad} = 3 + 6$

$\underline{\quad} = 6 + 3$

8. $4 + 1 = \underline{\quad}$

$1 + 4 = \underline{\quad}$

9. $8 + 2 = \underline{\quad}$

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

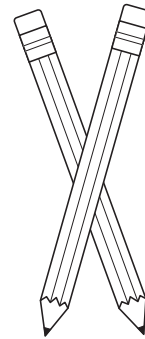
Name _____

Three in a Row

Write the sums in each box.

Draw a line through three boxes in a row that have one of the same sums.

$9 + 0 = \underline{\quad}$	$6 + 0 = \underline{\quad}$	$5 + 0 = \underline{\quad}$
$0 + 7 = \underline{\quad}$	$0 + 8 = \underline{\quad}$	$0 + 2 = \underline{\quad}$
$5 + 5 = \underline{\quad}$	$4 + 4 = \underline{\quad}$	$3 + 3 = \underline{\quad}$
$5 + 4 = \underline{\quad}$	$4 + 5 = \underline{\quad}$	$3 + 4 = \underline{\quad}$
$7 + 4 = \underline{\quad}$	$6 + 6 = \underline{\quad}$	$6 + 3 = \underline{\quad}$
$4 + 7 = \underline{\quad}$	$6 + 5 = \underline{\quad}$	$3 + 6 = \underline{\quad}$



$7 + 8 = \underline{\quad}$	$9 + 2 = \underline{\quad}$	$4 + 4 = \underline{\quad}$
$8 + 7 = \underline{\quad}$	$2 + 9 = \underline{\quad}$	$4 + 3 = \underline{\quad}$
$9 + 9 = \underline{\quad}$	$0 + 0 = \underline{\quad}$	$5 + 2 = \underline{\quad}$
$9 + 8 = \underline{\quad}$	$4 + 0 = \underline{\quad}$	$2 + 5 = \underline{\quad}$
$9 + 9 = \underline{\quad}$	$6 + 6 = \underline{\quad}$	$6 + 1 = \underline{\quad}$
$9 + 10 = \underline{\quad}$	$6 + 7 = \underline{\quad}$	$1 + 6 = \underline{\quad}$



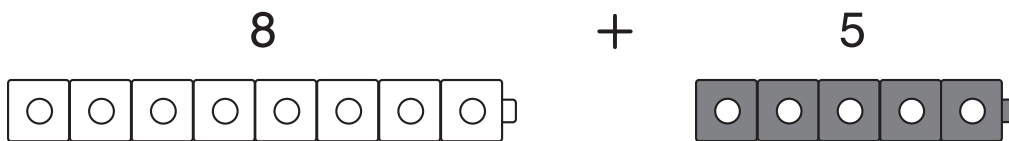
Writing and Reasoning Draw a loop around each box with number sentences that have 0 as an addend. Did you win again? Explain why.

Name _____

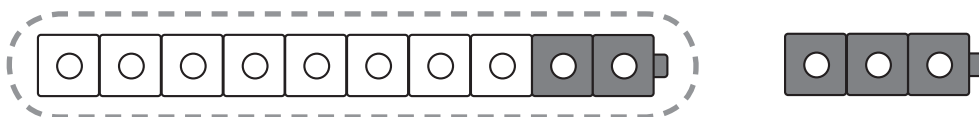
Algebra • Make a Ten to Add

$$8 + 5 = \underline{\quad ? \quad}$$

Step 1 Start with the greater addend.
Break apart the other addend to make a ten.



Step 2 You need to add 2 to 8 to make a ten. So, break apart 5 as 2 and 3.



$$8 + 2 = 10$$

3

Step 3 Add on the rest to the 10.

$$10 + \underline{3} = \underline{13}$$

Step 4 Write the sum.

$$8 + 5 = \underline{13}$$

Show how you can make a ten to find the sum. Write the sum.

1. $7 + 6 = \underline{\quad}$



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

2. $9 + 2 = \underline{\quad}$



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

3. $4 + 8 = \underline{\quad}$



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

4. $5 + 9 = \underline{\quad}$



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

5. $8 + 6 = \underline{\quad}$



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

6. $4 + 9 = \underline{\quad}$

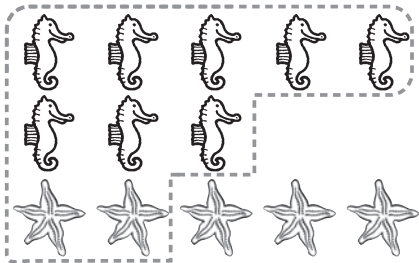


$10 + \underline{\quad} = \underline{\quad}$

Name _____

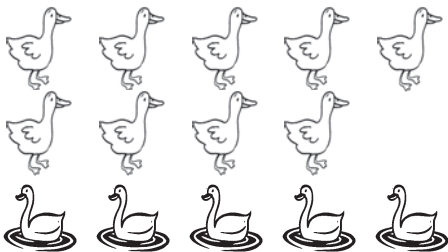
Make a Ten Again

Write the fact. Circle ten animals. Then write the make a ten fact to find the total number of animals.



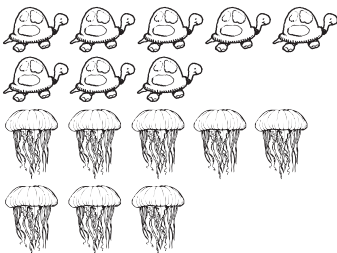
$$\begin{array}{r} 8 \\ \hline \end{array} + \begin{array}{r} 5 \\ \hline \end{array} = ?$$

$$\begin{array}{r} 10 \\ \hline \end{array} + \begin{array}{r} 3 \\ \hline \end{array} = \begin{array}{r} 13 \\ \hline \end{array}$$



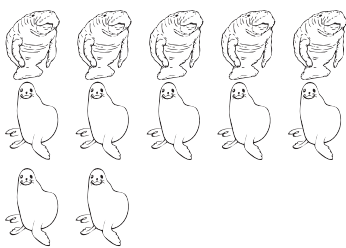
$$\underline{\quad} + \underline{\quad} = ?$$

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



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

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



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

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

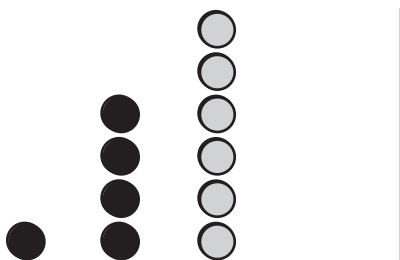


Writing and Reasoning How did you decide which make a ten fact to use? Explain.

Name _____

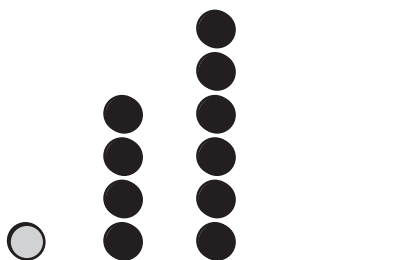
Algebra • Add 3 Addends

Add numbers in any order.
The sum stays the same.



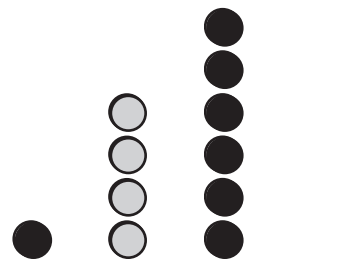
$$1 + 4 + 6 = |||$$

$$5 + 6 = |||$$



$$1 + 4 + 6 = |||$$

$$1 + 10 = |||$$



$$1 + 4 + 6 = |||$$

$$7 + 4 = |||$$

Solve two ways. Circle the two addends you add first.

1. $2 + 3 + 2 = \underline{\quad}$

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

2. $7 + 2 + 3 = \underline{\quad}$

$7 + 2 + 3 = \underline{\quad}$

3. $1 + 1 + 9 = \underline{\quad}$

$1 + 1 + 9 = \underline{\quad}$

4. $6 + 4 + 4 = \underline{\quad}$

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

Name _____

Finding Sums

Use two sets of cards for numbers 0–9.

Play with a classmate.

Take three cards to get three addends.

Write the sum.

	1st Card	2nd Card	3rd Card	Sum
1.				
2.				
3.				
4.				
5.				

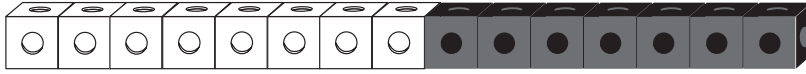


Writing and Reasoning Explain how you decided which two numbers to add first for one of your sums.

Name _____

Algebra • Relate Addition and Subtraction

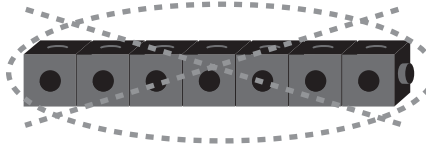
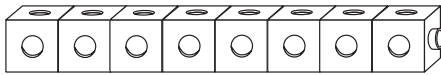
Use addition facts to help you subtract.



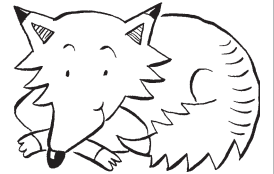
$$8 + 7 = 15$$

Think of $8 + 7 = 15$
to find the difference for
a related fact:

$$15 - 7 = \underline{\quad}$$



$$15 - 7 = \underline{8}$$



Write the sum and the difference
for the related facts.

1. $6 + 3 = \underline{\quad}$

$9 - 6 = \underline{\quad}$

2. $7 + 6 = \underline{\quad}$

$13 - 7 = \underline{\quad}$

3. $6 + 8 = \underline{\quad}$

$14 - 8 = \underline{\quad}$

4. $7 + 4 = \underline{\quad}$

$11 - 7 = \underline{\quad}$

5. $8 + 4 = \underline{\quad}$

$12 - 4 = \underline{\quad}$

6. $8 + 8 = \underline{\quad}$

$16 - 8 = \underline{\quad}$

7. $9 + 7 = \underline{\quad}$

$16 - 7 = \underline{\quad}$

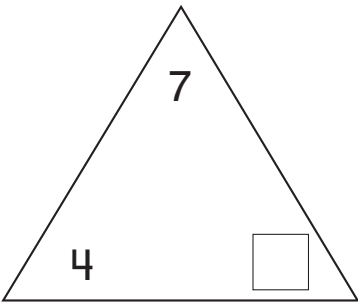
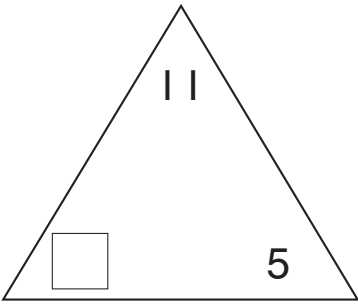
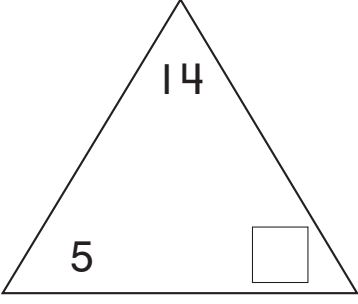
8. $7 + 5 = \underline{\quad}$

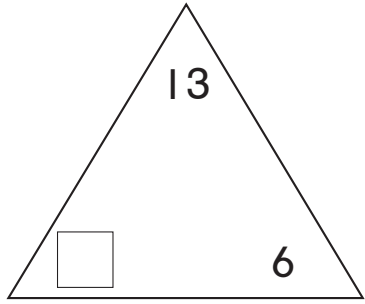
$12 - 7 = \underline{\quad}$

Name _____

Related Facts

A sum and one addend are written in the triangle. Write the other addend. Then write an addition fact and a related subtraction fact for the numbers.

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



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

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



Writing and Reasoning Draw another triangle with a sum and one addend. Have a partner write the missing addend and the related addition and subtraction facts.

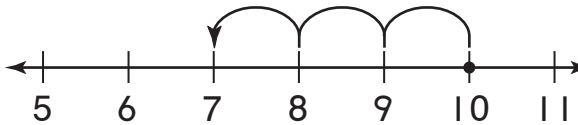
Name _____

Practice Subtraction Facts

Here are two ways to find differences.

$$10 - 3 = \underline{\quad?}$$

Count back 1, 2, or 3.



$$10 - 1 = \underline{9}$$

$$10 - 2 = \underline{8}$$

$$10 - 3 = \underline{7}$$

Think of a related
addition fact.



$$3 + 7 = \underline{10}$$

so, $10 - 3 = \underline{7}$

Write the difference.

1. $13 - 5 = \underline{\quad}$

2. $10 - 4 = \underline{\quad}$

3. $12 - 3 = \underline{\quad}$

4. $11 - 2 = \underline{\quad}$

5. $9 - 3 = \underline{\quad}$

6. $12 - 5 = \underline{\quad}$

7. $16 - 8 = \underline{\quad}$

8. $13 - 7 = \underline{\quad}$

Name _____

Subtracting Across and Down

Each box has four subtraction sentences.

Two are written across. The other two are written down.

Fill in the missing numbers so that each subtraction sentence is correct.

1.

12	−	6	=	<u>6</u>
−				−
<u>8</u>				<u> </u>
=				=
4	−	<u> </u>	=	1

2.

8	−	<u>3</u>	=	<u> </u>
−				−
<u> </u>				<u> </u>
=				=
4	−	4	=	<u> </u>

3.

<u> </u>	−	5	=	<u> </u>
−				−
<u> </u>				<u>3</u>
=				=
9	−	<u> </u>	=	5

4.

<u> </u>	−	3	=	<u> </u>
−				−
6				4
=				=
<u> </u>	−	1	=	3



Writing and Reasoning How did you find the missing numbers in the top row in Exercise 4?

Name _____

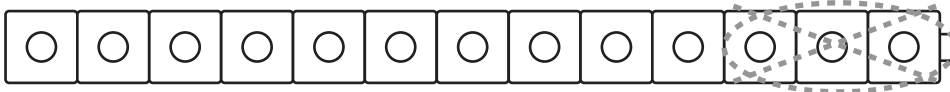
Use Ten to Subtract

You can get to ten to help find differences.

$$13 - 7 = \underline{\quad?}$$

Step 1 Start with the first number.

Step 2 Subtract ones to get to 10.



$$13 - 3 = 10$$

Step 3 Subtract the rest from the 10.

Think: I had 7. I subtracted 3 to get to 10.

Now I subtract the 4 I have left.

$$10 - \underline{4} = \underline{6}$$

Step 4 Write the difference.

$$13 - 7 = \underline{6}$$

Show the tens fact you used. Write the difference.

1. $15 - 8 = \underline{\quad}$



$$10 - \underline{3} = \underline{\quad}$$

2. $12 - 4 = \underline{\quad}$



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

3. $11 - 7 = \underline{\quad}$

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

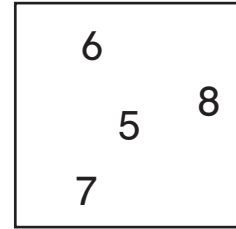
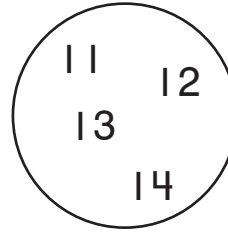
4. $13 - 5 = \underline{\quad}$

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

Name _____

Create a Subtraction Problem

Write a number from the circle in the first box. Write a number from the square in the second box. Use each number only once. Then solve.



1. There were ducks at the pond. ducks flew away. How many ducks are at the pond now?

_____ - _____ = _____

2. Roberto found shells at the beach. He gave shells to his sister. How many shells does Roberto have now?

_____ - _____ = _____

3. There are flowers in the garden. flowers are pink. The other flowers are yellow. How many flowers are yellow?

_____ - _____ = _____

4. Anna cut out shapes. shapes are round. The other shapes are square. How many shapes are square?

_____ - _____ = _____



Writing and Reasoning

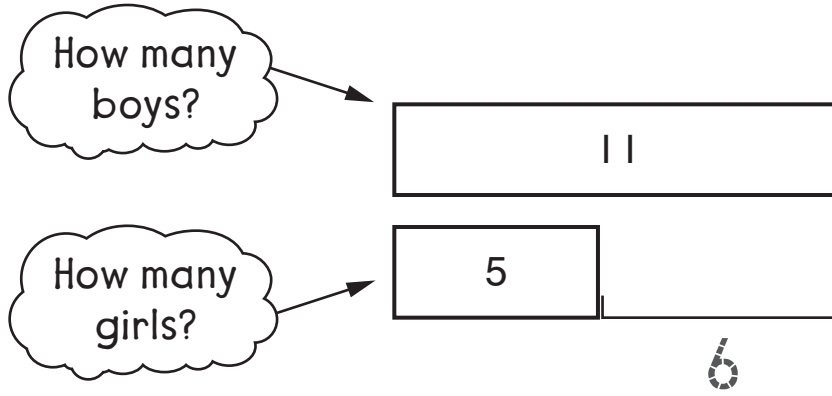
How could you use a tens fact to solve Exercise 4?

Name _____

Algebra • Use Drawings to Represent Problems

You can use bar models to show problems.

There are 5 girls and 11 boys at the park.
How many more boys than girls are at the park?

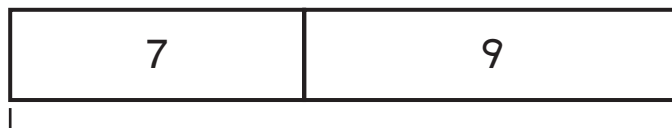


Write a number sentence. $11 - 5 = 6$

There are 6 more boys than girls.

Complete the bar model. Then write a number sentence to solve.

1. Nathan had 7 stamps. Then he got 9 more stamps.
How many stamps does Nathan have now?



_____ + _____ = _____ stamps

Name _____

Picture It

Fill in a missing number that makes sense. Draw a picture and solve.

1. Alexia had 14 marbles. She gave _____ marbles to Sam. How many marbles does Alexia have now?

_____ marbles

2. Jennifer has 7 red marbles and _____ blue marbles. How many marbles does she have?

_____ marbles

3. Carter had _____ marbles. He gave all the marbles to his brother. How many marbles does Carter have now?

_____ marbles

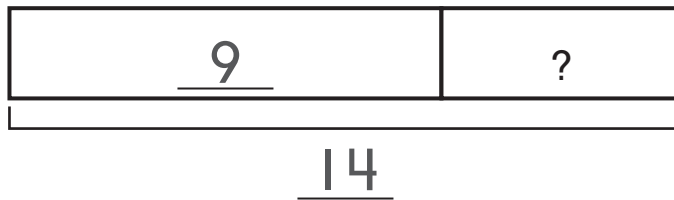


Writing and Reasoning Explain how drawing a picture can help you solve a problem.

Name _____

Algebra • Use Equations to Represent Problems

Some red fish and 9 green fish are in a tank.
The tank has 14 fish. How many red fish are there?



Write a number sentence.

Use a for the missing number.

$$14 - 9 = \blacksquare$$

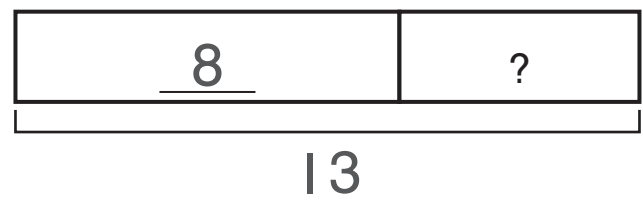
5 red fish in the tank.

Write a number sentence for the problem.

Use a for the missing number. Then solve.

1. There are 13 trees in a park.
8 are pine trees. The rest are
oak trees. How many oak trees
are there?

So there are _____



_____ oak trees

Name _____

Solving Sense

Read the problem. Fill in the blank with a number that makes sense.

Write a number sentence. Then solve.

1. Rey had 17 stamps. He gave _____ stamps to Lee. How many stamps does Rey still have?

_____ stamps

2. There were _____ cats. Half of the cats ran away. How many cats did not run away?

_____ cats

3. Luz had some comics. She gave away _____ comics. Now she has 9 comics. How many comics did Luz start with?

_____ comics



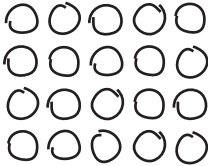
Writing and Reasoning How can writing a number sentence help you solve a problem? Explain.

Name _____

Problem Solving • Equal Groups

Clarence puts grapes in 4 rows.
He puts 5 grapes in each row.
How many grapes does Clarence have?

Unlock the Problem

<p>What do I need to find?</p> <p><u>how many grapes</u></p> <p>Clarence has _____</p>	<p>What information do I need to use?</p> <p>Clarence has <u>4</u> rows of grapes.</p> <p>He puts <u>5</u> grapes in each row.</p>
<p>Show how to solve the problem.</p> <div style="text-align: center;">  </div> <p style="text-align: right;">Clarence has <u>20</u> grapes.</p>	

Draw to show what you did.

- I. Rachel puts her markers in 3 rows.
Each row has 3 markers.
How many markers does Rachel have?

Rachel has _____ markers.


Name _____


Sorting Stickers


Jamal's stickers need to be organized. Each type of sticker must be grouped together. Different types of stickers cannot be on the same page. Each page can fit 2 rows of 3 stickers.


Draw a diagram to show the pages.



1. How many pages do you need for ?

2. How many pages do you need for ?

3. How many pages do you need for ?

4. How many pages do you need for ?



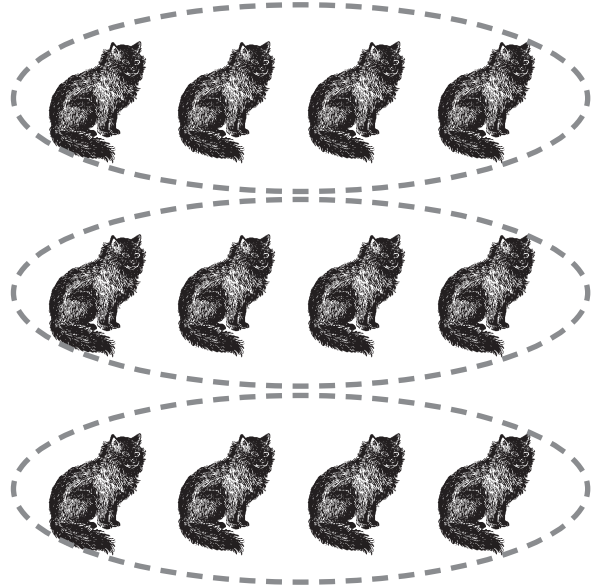
Writing and Reasoning How many rows of 3 stickers can Jamal make in all? Write the counting pattern to show the total.

Name _____

Algebra • Repeated Addition

Find the total number of cats.

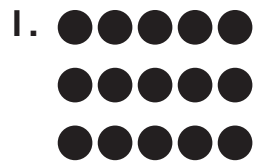
- Circle each row.
- Count how many rows.
 3 equal rows
- Count how many in one row.
 4 cats in one row
- Write an addition sentence.
Add the number of cats in each row.



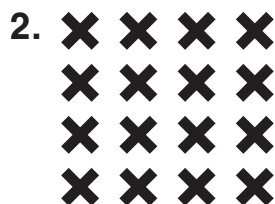
$$\underline{4} + \underline{4} + \underline{4} = \underline{12}$$

Find the number of shapes in each row.

Complete the addition sentence to find the total.



3 rows of _____
 _____ + _____ + _____ = _____



4 rows of _____
 _____ + _____ + _____ + _____ = _____

Name _____

Symbol Sentences

Find the total. Use the value of the symbols in the key. Write the addition sentence.

KEY: ♪ = 2 △ = 3 ⌘ = 4 * = 5 □ = 6

1. □ □ □

_____ + _____ + _____ = _____

2. ♪ ♪ ♪ ♪ ♪ ♪ ♪

_____ + _____ + _____ + _____ + _____ + _____ + _____ = _____

3. ⌘ ⌘ ⌘ ⌘ ⌘

_____ + _____ + _____ + _____ + _____ = _____

4. * * * * *

_____ + _____ + _____ + _____ + _____ + _____ = _____



Writing and Reasoning Write three different ways you can add the same addend to make 12. Explain how you chose those ways.
