

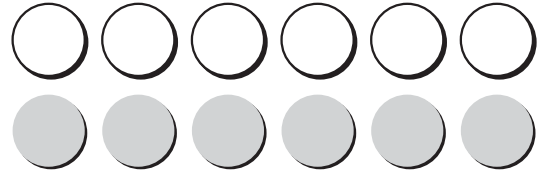
Name \_\_\_\_\_

## Use Doubles Facts

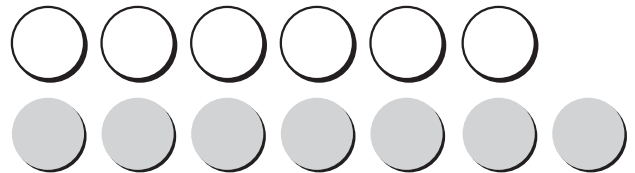
Use doubles facts to help you find sums.

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

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

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

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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.

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

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

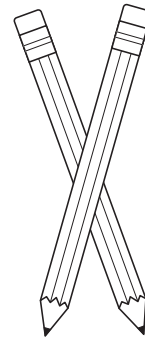
Name \_\_\_\_\_

# 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.

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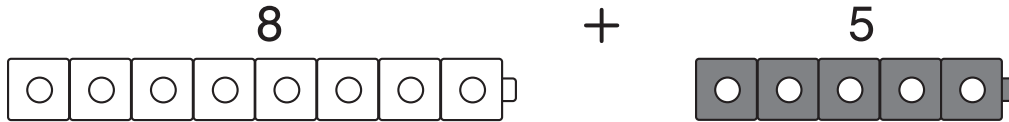
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Name \_\_\_\_\_

# Algebra • Make a Ten to Add

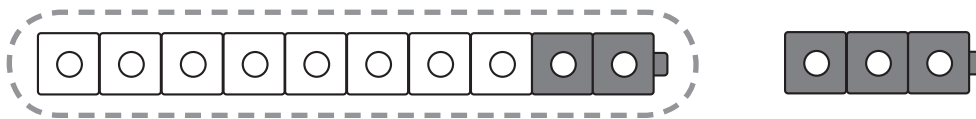
$$8 + 5 = \underline{\quad?}$$

**Step 1** Start with the greater addend.



**Step 2** Break apart the other addend to make a ten.

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 3 to find the sum.

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

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

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

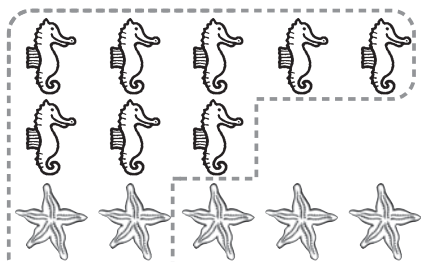
6.  $4 + 9 = \underline{\quad}$

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

Name \_\_\_\_\_

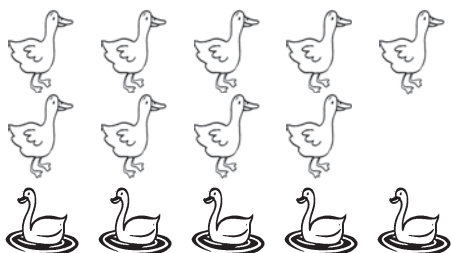
# Make a Ten Again

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



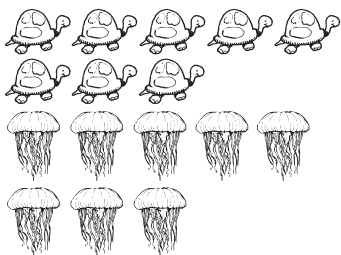
$$\begin{array}{r} 8 \\ \hline \end{array} + \begin{array}{r} 5 \\ \hline \end{array} = ?$$

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



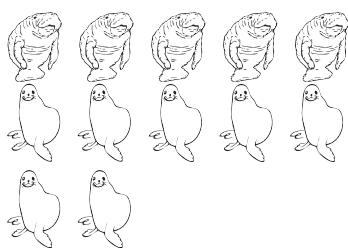
$$\underline{\quad} + \underline{\quad} = ?$$

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



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

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



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

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



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

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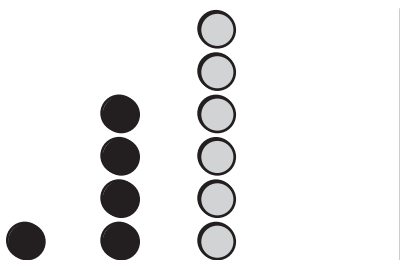


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Name \_\_\_\_\_

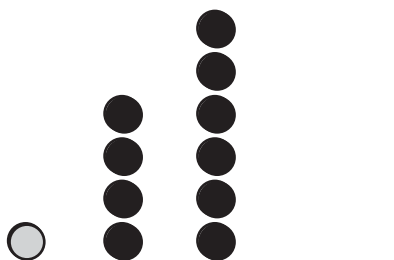
## Algebra • Add 3 Addends

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



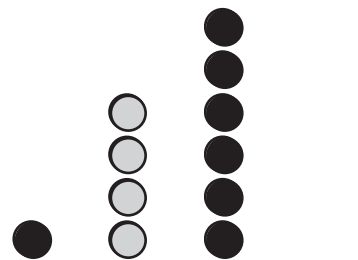
$$1 + 4 + 6 = |||$$

$$5 + 6 = |||$$



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

$$1 + 10 = |||$$



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

$$7 + 4 = |||$$

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.

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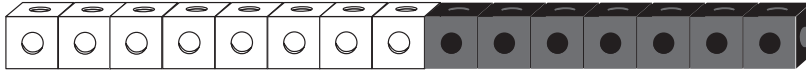
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Name \_\_\_\_\_

# Algebra • Relate Addition and Subtraction

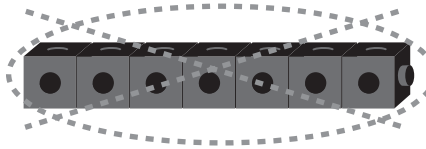
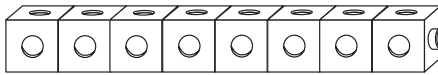
Use addition facts to help you subtract.



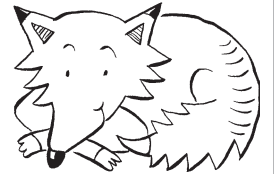
$$8 + 7 = 15$$

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

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

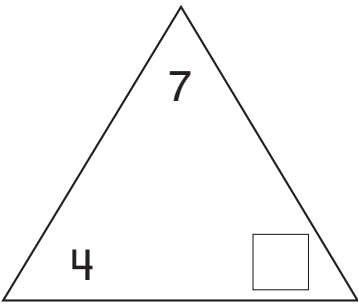
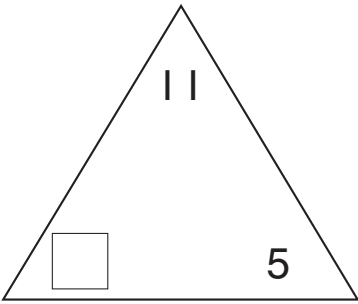
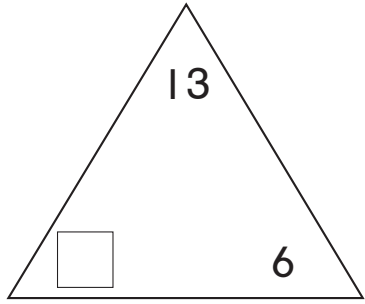
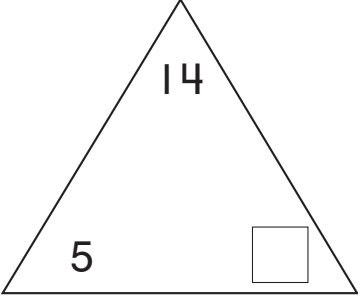
8.  $7 + 5 = \underline{\quad}$

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

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.

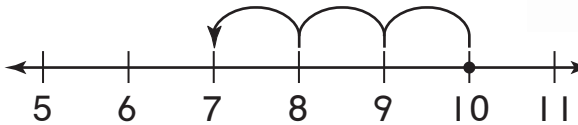
Name \_\_\_\_\_

## 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?

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Name \_\_\_\_\_

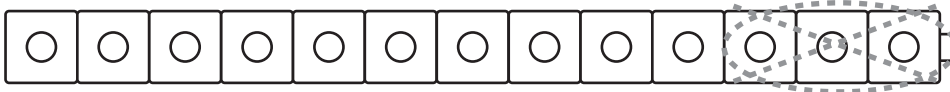
# Use Ten to Subtract

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

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

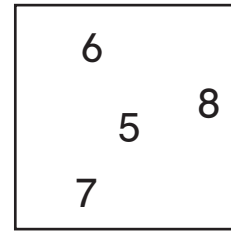
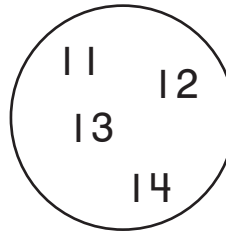
4.  $13 - 5 = \underline{\quad}$

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

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?

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

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

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

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

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

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

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



**Writing and Reasoning** How could you use a tens fact to solve Exercise 4?

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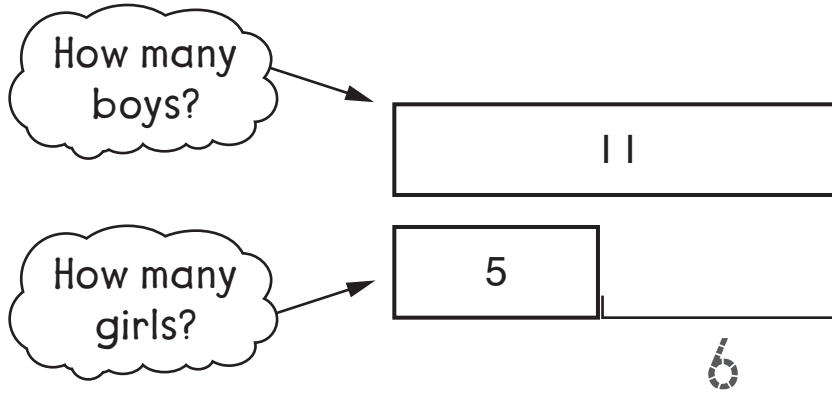
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Name \_\_\_\_\_

## 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?

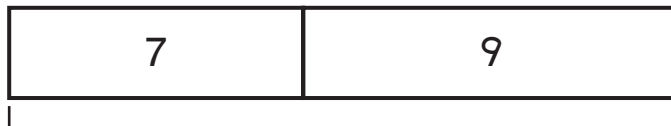


Write a number sentence.  $11 - 5 = 6$

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.

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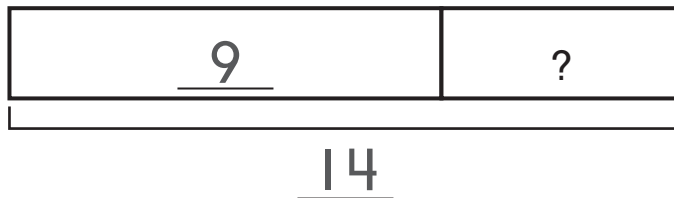
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Name \_\_\_\_\_

## 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.

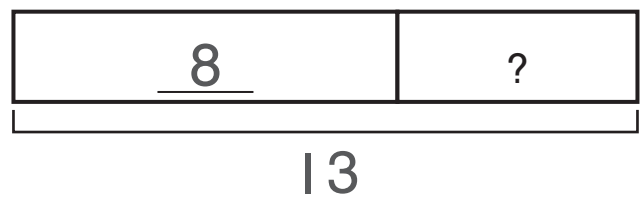
**Write a number sentence for the problem.**

**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?

\_\_\_\_\_

\_\_\_\_\_ 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.

\_\_\_\_\_

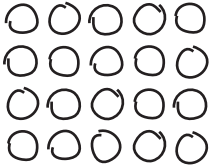
\_\_\_\_\_

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><b>What do I need to find?</b></p> <p><u>how many grapes</u></p> <p>Clarence has _____</p>	<p><b>What information do I need to use?</b></p> <p>Clarence has <u>4</u> rows of grapes.</p> <p>He puts <u>5</u> grapes in each row.</p>
<p><b>Show how to solve the problem.</b></p> <div style="text-align: center; margin: 20px 0;">  </div> <p style="text-align: right; margin-right: 100px;">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.

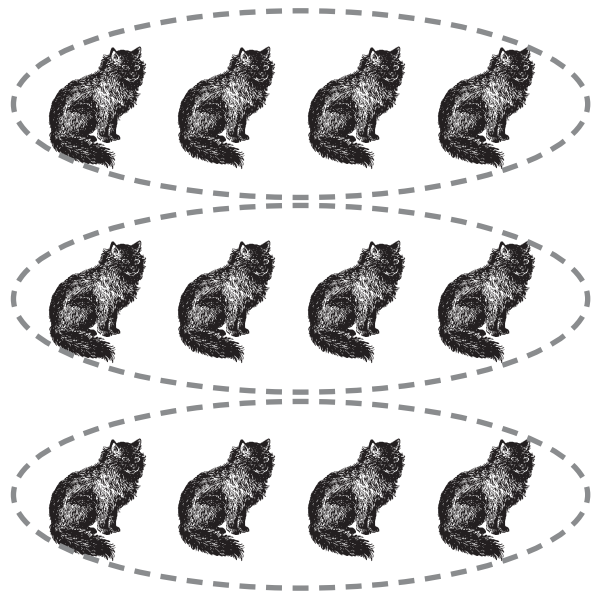
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Name \_\_\_\_\_

# Algebra • Repeated Addition

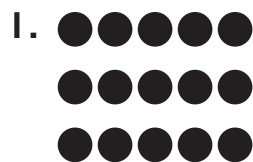
Find the total number of cats.

- 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.

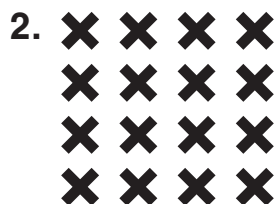


$$\underline{4} + \underline{4} + \underline{4} = \underline{12}$$

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.

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