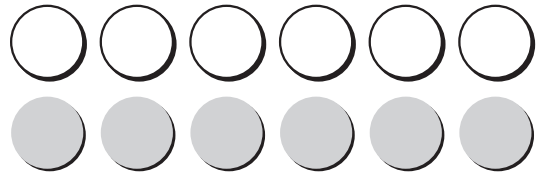
Name _____

Use Doubles Facts

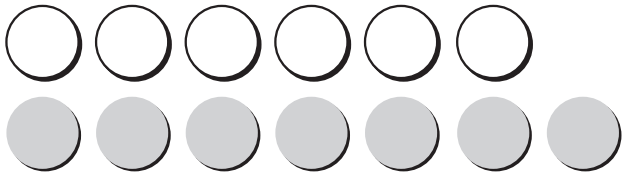
Use doubles facts to help you find sums.

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

6 + 6 = 12



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



6 + 7 = 13

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

1. 4 + 5 = ____ ____ + ____ = ____

2. 5 + 6 = ____ ____ + ____ = ____

3. 7 + 8 = ____ ____ + ____ = ____

4. 8 + 9 = ____ ____ + ____ = ____

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

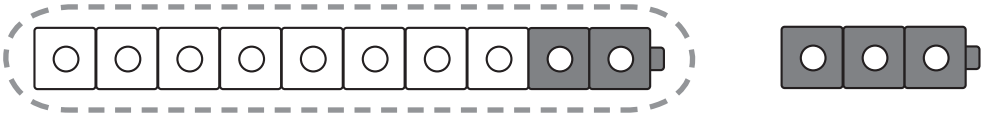
Algebra • Make a Ten to Add

$8 + 5 = \underline{?}$

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

8 + 5

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. $7 + 6 = \_\_\_\_$

$10 + \_\_\_\_ = \_\_\_\_$

2. $9 + 2 = \_\_\_\_$

$10 + \_\_\_\_ = \_\_\_\_$

3. $4 + 8 = \_\_\_\_$

$10 + \_\_\_\_ = \_\_\_\_$

4. $5 + 9 = \_\_\_\_$

$10 + \_\_\_\_ = \_\_\_\_$

5. $8 + 6 = \_\_\_\_$

$10 + \_\_\_\_ = \_\_\_\_$

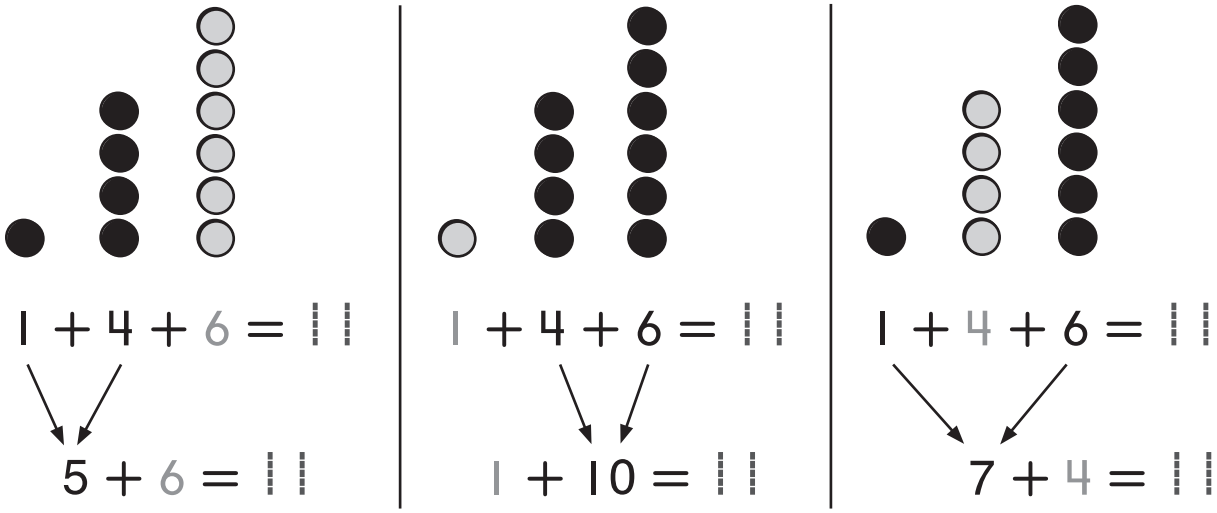
6. $4 + 9 = \_\_\_\_$

$10 + \_\_\_\_ = \_\_\_\_$

Name _____

Algebra • Add 3 Addends

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



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

1. $2 + 3 + 2 =$ ____ $2 + 3 + 2 =$ ____

2. $7 + 2 + 3 =$ ____ $7 + 2 + 3 =$ ____

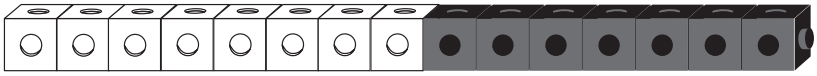
3. $1 + 1 + 9 =$ ____ $1 + 1 + 9 =$ ____

4. $6 + 4 + 4 =$ ____ $6 + 4 + 4 =$ ____

Name _____

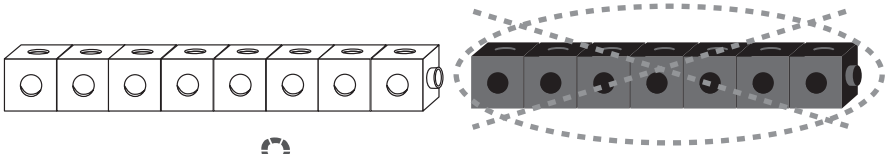
Algebra • Relate Addition and Subtraction

Use addition facts to help you subtract.



$8 + 7 = 15$

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



$15 - 7 = \underline{8}$

Write the sum and the difference for the related facts.

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

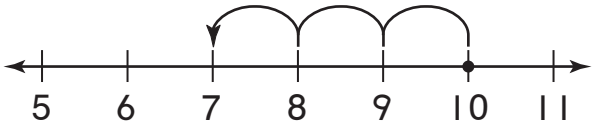
Name _____

Practice Subtraction Facts

Here are two ways to find differences.

$10 - 3 = \underline{?}$

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. $13 - 5 =$ _____

2. $10 - 4 =$ _____

3. $12 - 3 =$ _____

4. $11 - 2 =$ _____

5. $9 - 3 =$ _____

6. $12 - 5 =$ _____

7. $16 - 8 =$ _____

8. $13 - 7 =$ _____

Name _____

Use Ten to Subtract

You can get to ten to help find differences.

$13 - 7 = \underline{?}$

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. $15 - 8 = \_\_\_\_$

   5 3

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

2. $12 - 4 = \_\_\_\_$

   2 2

   $10 - \_\_\_\_ = \_\_\_\_$

3. $11 - 7 = \_\_\_\_$

   $10 - \_\_\_\_ = \_\_\_\_$

4. $13 - 5 = \_\_\_\_$

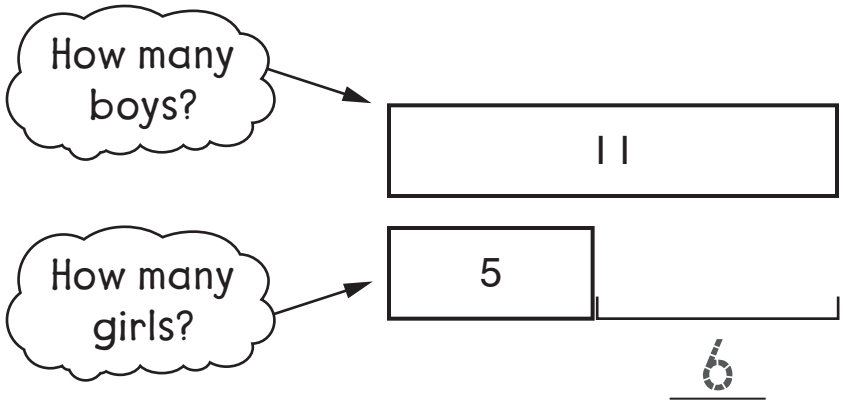
   $10 - \_\_\_\_ = \_\_\_\_$

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?

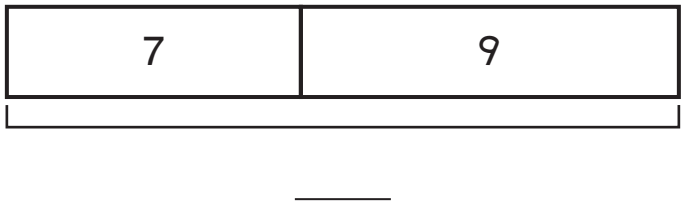


Write a number sentence. 11 − 5 = 6

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?



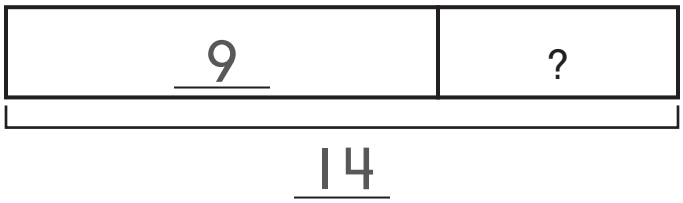
_____

_____ + _____ = _____ _____ stamps

Name _____

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.

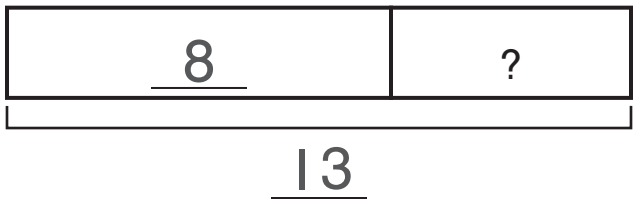
Use a ■ for the missing number.

$14 - 9 = \square$

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 _____

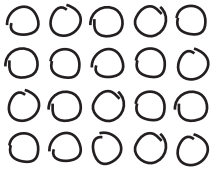
Problem Solving • Equal Groups

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

Unlock the Problem

What do I need to find?	What information do I need to use?
how many grapes Clarence has	Clarence has 4 rows of grapes. He puts 5 grapes in each row.

Show how to solve the problem.



Clarence has 20 grapes.

Draw to show what you did.

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

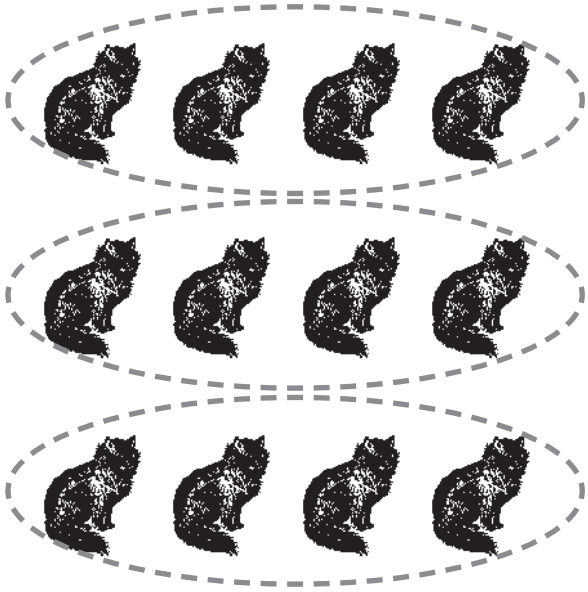
Rachel has _____ markers.

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.



4 + 4 + 4 = 12

Find the number of shapes in each row.
Complete the addition sentence to find the total.

1. ●●●●
   ●●●●
   ●●●●

   3 rows of _____

   _____ + _____ + _____ = _____

2. ✕ ✕ ✕ ✕
   ✕ ✕ ✕ ✕
   ✕ ✕ ✕ ✕
   ✕ ✕ ✕ ✕

   4 rows of _____

   _____ + _____ + _____ + _____ = _____