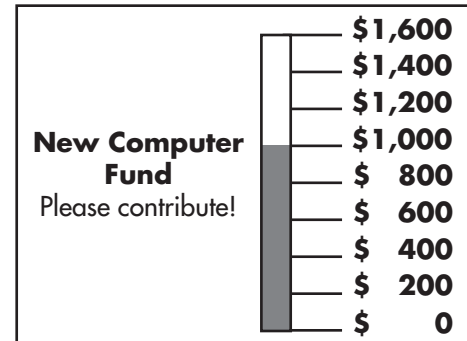


Name _____

Problem Solving: Draw a Picture and Write an Equation

A community center is raising funds to buy a computer. Here is a picture of the sign they put outside the center. How much more money must the center raise?



How to write an equation number sentence for a problem:

One Way

The goal is \$1,600.

So far, \$1,000 has been raised.

The amount yet to be raised is the unknown.

Think: The amount raised so far and the amount yet to be raised will reach the goal.

Write an equation.

$$1,000 + x = 1,600$$

Think: What number added to 1,000 will result in 1,600?

$$1,000 + \mathbf{600} = 1,600$$

The amount yet to be raised is \$600.

Another Way

The goal is \$1,600.

So far, \$1,000 has been raised.

The amount yet to be raised is the unknown.

Think: The difference between the goal and what has been raised so far is the amount yet to be raised.

Write an equation.

$$1,600 - 1,000 = x$$

Think: What number will result if 1,000 is subtracted from 1,600?

$$1,600 - 1,000 = \mathbf{600}$$

The amount yet to be raised is \$600.

A mason needs 22 bricks to make a stoop. So far he has carried 15 to the site. How many more bricks must he carry?

Draw a picture. Write an equation. Write a number sentence. Solve.

Name _____

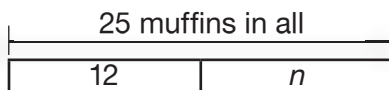
Problem Solving: Draw a Picture and Write an Equation

Write two different equations; then solve each problem.

1. Dayana picked apples for 2 hours. She picked 28 apples in the first hour, and at the end of two hours, she had 49. How many apples did she pick during the second hour? _____
2. Dixon bought a pack of pencils and then gave 12 away. He now has 24 left. How many pencils were in the pack of pencils that Dixon bought? _____

Copy and complete the picture. Then write an equation and solve.

3. Rumina is baking 25 muffins for the bake sale. She has already baked 12. How many more does she need to bake?



4. **Estimation** Janet saved 22 dollars one month and 39 dollars the next month. She wants to buy a bicycle that costs \$100. About how much more money does she need?
A about \$40 **B** about \$50 **C** about \$60 **D** about \$70
5. **Writing to Explain** Stefany ran 2 miles each day for 14 days. How many miles did she run in 14 days? Explain two different ways to solve this problem, and then solve.

