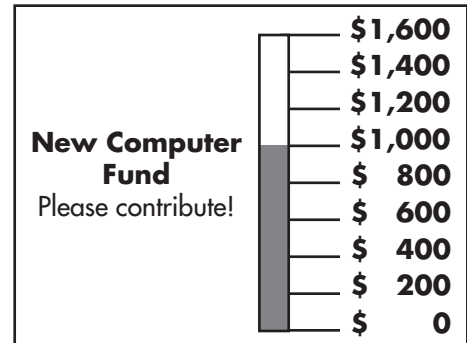# Problem Solving: Draw a Picture and Write an Equation

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?

New Computer Fund
Please contribute!

$1,600
$1,400
$1,200
$1,000
$ 800
$ 600
$ 400
$ 200
$ 0

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?

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

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?

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

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.

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