

Problem Solving: Draw a Picture and Write an Equation

Read the question and follow the steps to develop a problem-solving strategy.

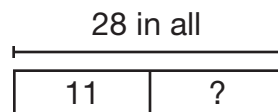
In the morning, a grocery store had 28 apples on display. By the end of the day, 11 apples had been purchased. How many apples were left?

Step 1: Read/Understand

- Find the information you are given. [There were 28 apples; now there are 11 fewer apples.]
- Find the information you need to figure out. [The number of apples that are left]

Step 2: Plan

- Draw a picture that helps you visualize the problem you are trying to solve.



Step 3: Solve

- Figure out which operation you need to use to solve the problem, and write an equation. [Subtraction; $28 - 11 = ?$]
- Solve the equation to answer the problem. [$28 - 11 = 17$; 17 apples were left.]

- 1. Strategy Practice** On Monday, Erika put 12 flakes of fish food in her fish tank before school, and 13 more when she got home. How many flakes did she put in the tank that day? Use the steps to answer the question. _____

Step 1:

- What information are you given?
- What information do you need to figure out?

Step 2:

- Draw a picture.

Step 3:

- Choose an operation and write an equation.
- Solve the equation.

Solve the following problems. Draw pictures to help you.

- 2.** Roy is reading a book that is 68 pages. He has read 24 pages so far. How many more pages does he have to read to finish the book? _____
- 3.** There are 29 students in the school band. During practice, 6 new students joined the band. How many students are in the band now? _____
- 4.** Jaycee's teacher gave her a box of 96 pens. She gave 17 of the pens to her classmates. How many pens were left in the box? _____