

Name \_\_\_\_\_

# Write Equations

To write an equation for a word sentence, write the words as mathematical expressions and write = for “equals” or “is.”

**Write an equation for the word sentence.**

**Example 1** 6 fewer than a number is  $12\frac{2}{3}$ .

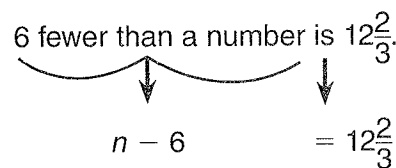
**Step 1** Choose a variable.

6 fewer than a number is  $12\frac{2}{3}$ .  
Let  $n$  represent a number.

**Step 2** Identify the operation.

6 fewer than  $n$  is  $12\frac{2}{3}$ .  
“Fewer than” means subtract.

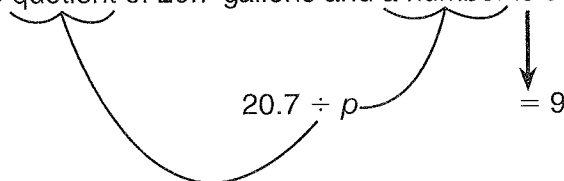
**Step 3** Write an equation.



So, the equation is  $n - 6 = 12\frac{2}{3}$ .

**Example 2**

The quotient of 20.7 gallons and a number is 9 gallons.



So, the equation is  $20.7 \div p = 9$ .

**Write an equation for the word sentence.**

1. 18 more than a number is 29.

\_\_\_\_\_

3. 128 less than a number is 452.

\_\_\_\_\_

5. The product of a number and 6 is 138.

\_\_\_\_\_

2. 5.2 times a number is 46.8.

\_\_\_\_\_

4. Four fifths of a number equals 11.

\_\_\_\_\_

6. The number of miles decreased by 29.8 is 139.

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