Translating between Math and Word Statements

Objective 1 Learn the Word Statement for Arithmetic Operations.

The word **sum** indicates _____.

The word **difference** indicates _____.

The word **product** indicates _____.

The word **quotient** indicates _____.

Objective 2 Translate math to word statements.

Example 1: Translate the given math statements to word statements.

a) $5 \cdot 7$

b) $6 \div x$

c) $a + b$

d) $31 - 14$

The math symbol that is represented by the word "is", is the equal sign written "=".

Example 2: Translate the given math statements to word statements.

  a) $42 \div 6 = a$

  b) $8 \cdot y = 56$

  c) $48 - x = 29$

  d) $b + 15 = 47$

Objective 3 **Translate word to math statements.**

Example 3: Translate the given word statements to math statements.

  e) The sum of two and six is eight.

  f) The quotient of x and y is 4.

  g) The difference of nine and four is five.

  h) The product of p and q is 16.

Answer the following homework questions.

In Exercises 1 – 4, write each math statement as a word statement.

1) $\frac{20}{4} = 5$

2) $7(8) = 56$

3) $36 + 48 = k$

4) $94 - 47 = p$

In Exercises 5 – 8, write each word statement as a math statement.

5) The product of 8 and x is 32.

6) The difference of y and 12 is 7.

7) The quotient of 28 and x is 7.

8) The sum of x and y is 5.