

Lesson 7

Math Vocabulary

NAME: _____



Start by navigating to the Online Lesson for instructions.

Objectives

- ✓ Write a one-variable equation from a word problem and solve it
- ✓ Create an equation from a word problem
- ✓ Use vocabulary such as sum, difference, quotient, product, and other words that determine operations

Why?

We use math vocabulary to turn word problems into equations we can solve. Words like sum, difference, product, and quotient tell us which operation to use. When we know this language, we can read, write, and solve real-world problems. Math words are the clues that help us understand what a problem is really asking!

Explore

Math Vocabulary

▶ *Fill in the notes as you watch the video in the Online Lesson.*

- Math is a _____. Learning math _____ is the first step to understanding word problems, expressions, and equations.
- Word problems often include key vocabulary words that help you determine which _____ to use in an expression or equation.

Operation	Key Vocabulary
	of, product, per (depending on context), twice, times
	quotient, per (depending on context), divided by
	and, sum, plus, add, more than, increase
	difference, minus, subtract, less, less than, decrease
	is, the same as, equal to, total

- When a problem uses the phrase “a number,” this represents an _____.
- When directions say “write a phrase or sentence with symbols” note that:
 - An _____ will not have an equal sign.
 - An _____ will have terms on both sides of an equal sign.

The variable n is used in the examples and practice problems in this skills lesson.

Example 1

▶ Complete the example as you watch the video in the Online Lesson.

Write the phrase or sentence with symbols.

- A)** The difference of a number and 7

- B)** The product of a number and 5

- C)** The sum of a number and 8 is zero

- D)** The quotient of a number and 10

E) 34 less than twice a number is 2

F) Four times the sum of a number and 3 totals 16

 Practice

Write the phrase or sentence with symbols. Do not simplify or solve.

- 1) The quotient of a number and four is 10
- 2) The sum of a number and seven
- 3) The product of a number and 14
- 4) Nine less than a number is two
- 5) Twelve is decreased by a number
- 6) Three times the sum of a number and five is 15
- 7) The product of -7 and a number, plus 12 is the same as -9
- 8) -23 is equal to the product of a number and two, plus nine
- 9) A number and eight is three
- 10) Fifteen is divided by a number



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