

NAME _____

DATE _____

Module 4 Solving Problems Using Linear Equations of One Variable
Lesson 1 Translating Sentences into Algebraic Equations

guided notes

Lesson Objective

- Write sentences as algebraic equations.

Fill in the chart with the commonly used word phrases for each operation as discussed in the lesson.

Addition	Subtraction	Multiplication	Division	Equals

An equation is a mathematical sentence that uses an equal sign to state that two expressions are equal.

- 1 Translate into an equation: The product of six and a number is the same as twelve. _____
- 2 Translate into an equation: Twice a number increased by 1 equals 5. _____
- 3 Translate into an equation: Four less than six times a number is equal to seven. _____
- 4 Translate into an equation: Three times the sum of a number and five is the same as twenty-seven. _____

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5 Translate into an equation: The product of a number n and the sum of the number n and six is the same as the number n squared. _____

6 Translate into an equation: Fred had d dimes that totaled \$7.50.

7 Translate into an equation: Mrs. Beetle is three times as old as her daughter. The sum of their ages is forty-eight years. _____

