

Translating Words into Expressions and Equations Video Lecture

Section 1.2

Course Learning Objective:

Translate words into algebraic expressions, equations, and inequalities.

Weekly Learning Objectives:

Translate sentences into mathematical statements.

Translating Words Into Expressions and Equations

Key words to look for:

Sum = Add

Difference = Subtract

Product = Multiply

Quotient = Divide

Examples:

- 1) Eight times a number
- 2) A number subtracted from fourteen
- 3) The quotient of a number and twelve
- 4) Seven less than a number
- 5) The product of nine and five more than a number
- 6) Three less than the product of a number and 6

SUBTRACTED FROM and **LESS THAN**
switch order around when translating

7) A number minus three equals one

8) The product of a number and three is six

9) Twelve divided by a number equals one third times that number

What is the difference between:

Three is less than the product of a number and six

Three less than the product of a number and six

is =>

is less than =>

is less than or equal to =>

is greater than =>

is greater than or equal to =>

Translate into a mathematical expression and combine like terms:

The sum of fourteen and eight times a number is subtracted from
the number multiplied by five

