

# Expressions - Translating Phrases

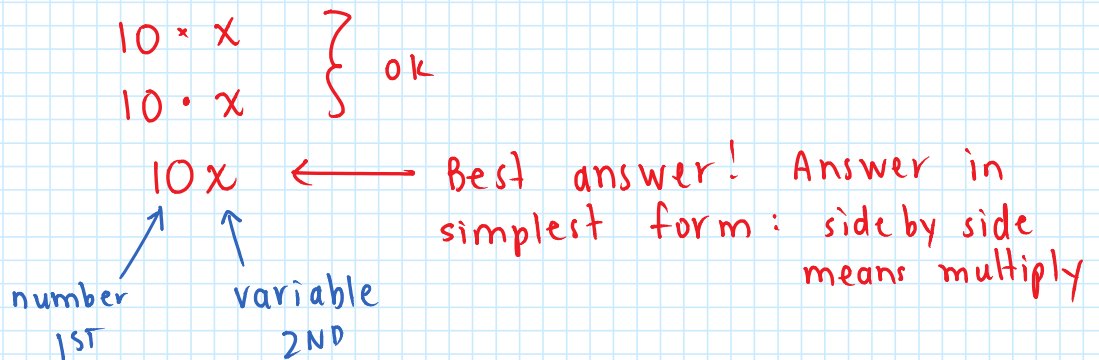
April-08-19 10:08 AM

To translate a phrase into an expression:

- ① Choose a variable (letter) to represent the word "number" (usually  $x$  or  $n$ )
- ② Break the phrase into pieces and the meanings
- ③ Translate and check.

Ex. Translate to an expression:

a) The product of ten and a number



b) Twice a number increased by three.

$$2x + 3$$

c) Three-fifths of a number.

$$\frac{3}{5}x$$

d) seven less than five times a number

$$5x - 7$$

Backwards! Less than @ end!

e) Thrice the opposite of a number

$$3(-x)$$

-3x even better ☺

f) (The sum of two different numbers) increased by a factor of 4.

$$(x+y) \times 4$$

$$4(x+y)$$