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Writing Equations

Translate each sentence into an equation:

Ex: Five times the number a is equal to three times the sum of b and c.

$$5a = 3(b+c)$$

Ex: Nine times y subtracted from 95 equals 37.

$$95 - 9y = 37$$

Write an equation and solve.

2,000,000 gallons of ice cream are produced in the United States each day. In how many days can 40,000,000 gallons of ice cream be produced in the United States.

$$2,000,000 \times x = 40,000,000$$

20 days

formula: an equation stating a relationship between quantities

For example...

$$A = bh$$

$$F = ma$$

Translate each sentence into a formula:

Ex: The perimeter of a rectangle equals two times the length plus two times the width.

$$P = 2l + 2w$$

Ex: The perimeter of a parallelogram is twice the sum of the lengths of the two adjacent sides a and b.

$$P = 2(a + b)$$



Translate each equation into a verbal sentence:

Ex: $3m + 5 = 14$

Ex: $w + v = y^2$



In-Class Work:

p.123 #4 - 20