

Proportion Worksheets (Equations)

1. Jennifer is shopping with her mother. They pay \$2 per pound for tomatoes at the vegetable stand.

a) Find the constant of proportionality in this situation.

b) Write an equation to represent the relationship.

2. It costs \$15 to send 3 packages through a certain shipping company. Consider the number of packages per dollar.

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1. Jennifer is shopping with her mother. They pay \$2 per pound for tomatoes at the vegetable stand.

a) Find the constant of proportionality in this situation.

$$\frac{2 \text{ dollars } (D)}{1 \text{ pound } (P)} = 2 \frac{\text{dollars}}{\text{pound}}$$

The constant of proportionality is 2.

b) Write an equation to represent the relationship.

$$D = 2P$$

2. It costs \$15 to send 3 packages through a certain shipping company. Consider the number of packages per dollar.

a) Find the constant of proportionality for this situation.

$$\frac{3 \text{ packages } (P)}{15 \text{ dollars } (D)} = \frac{3}{15} \frac{\text{packages}}{\text{dollar}}$$

The constant of proportionality is $\frac{1}{5}$.

b) Write an equation to represent the relationship.

$$P = \frac{1}{5}D$$