

Proportion Worksheets (Equations)

For each of the following problems, define the constant of proportionality to answer the follow-up question.

1. Bananas are \$0.59/pound.

a) What is the constant of proportionality, or k ?

b) How much will 25 pounds of bananas cost?

2. The dry cleaning fee for 3 pairs of pants is \$18.

a) What is the constant of proportionality?

b) How much will the dry cleaner charge for 11 pairs of pants?

3. For every \$5 that Micah saves, his parents give him \$10.

a) What is the constant of proportionality?

b) If Micah saves \$150, how much money will his parents give him?

Go to [onlinemathlearning.com](https://www.onlinemathlearning.com) for more free math resources

Proportion Worksheets (Equations)

For each of the following problems, define the constant of proportionality to answer the follow-up question.

1. Bananas are \$0.59/pound.

a) What is the constant of proportionality, or k ?

The constant of proportionality, k , is 0.59.

b) How much will 25 pounds of bananas cost?

$$25 \text{ lb. } (\$0.59/\text{lb.}) = \$14.75$$

2. The dry cleaning fee for 3 pairs of pants is \$18.

a) What is the constant of proportionality?

$$\frac{18}{3} = 6, \text{ so } k \text{ is } 6.$$

b) How much will the dry cleaner charge for 11 pairs of pants?

$$6(11) = 66$$

The dry cleaner would charge \$66.

3. For every \$5 that Micah saves, his parents give him \$10.

a) What is the constant of proportionality?

$$\frac{10}{5} = 2, \text{ so } k \text{ is } 2.$$

b) If Micah saves \$150, how much money will his parents give him?

$$2(\$150) = \$300$$

Go to [onlinemathlearning.com](https://www.onlinemathlearning.com) for more free math resources