

## Proportion Worksheets (Equations)

Write an equation that will model the proportional relationship given in each real-world situation.

1. There are 3 cans that store 9 tennis balls. Consider the number of balls per can.

a) Find the constant of proportionality for this situation.

b) Write an equation to represent the relationship.

2. In 25 minutes, Li can run 10 laps around the track. Determine the number of laps she can run per minute.

a) Find the constant of proportionality in this situation.

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1. There are 3 cans that store 9 tennis balls. Consider the number of balls per can.

a) Find the constant of proportionality for this situation.

$$\frac{9 \text{ balls } (B)}{3 \text{ cans } (C)} = 3 \frac{\text{balls}}{\text{can}}$$

*The constant of proportionality is 3.*

b) Write an equation to represent the relationship.

$$B = 3C$$

2. In 25 minutes, Li can run 10 laps around the track. Determine the number of laps she can run per minute.

a) Find the constant of proportionality in this situation.

$$\frac{10 \text{ laps } (L)}{25 \text{ minutes } (M)} = \frac{2 \text{ laps}}{5 \text{ minute}}$$

*The constant of proportionality is  $\frac{2}{5}$ .*

b) Write an equation to represent the relationship.

$$L = \frac{2}{5}M$$