

# From Words to Ratios

Ratios can be used to solve many problems. The first step is to write a statement as a ratio.

Write a Ratio

Simplify

Sam worked 3 hours and earned \$18.

$$\frac{3}{18} \begin{array}{l} \leftarrow \text{hours} \\ \leftarrow \text{dollars} \end{array}$$

$$\frac{3}{18} \div \frac{3}{3} = \frac{1}{6}$$

Write each ratio in its simplest form.

1. 8 miles in 2 hours  $\frac{8}{2} = \frac{\square}{\square}$

2. 3 eggs are needed to make 12 cupcakes.  $\frac{\square}{\square} = \frac{\square}{\square}$

3. \$24 for working 3 hours  $\frac{\square}{\square} = \frac{\square}{\square}$

4. 4 gallons of paint for \$36  $\frac{\square}{\square} = \frac{\square}{\square}$

5. 100 miles on 5 gallons  $\frac{\square}{\square} = \frac{\square}{\square}$

6. The box is 6 inches wide and 10 inches long.  $\frac{\square}{\square} = \frac{\square}{\square}$

7. 5 tickets cost \$35.  $\frac{\square}{\square} = \frac{\square}{\square}$

8. Sue bicycled 27 miles in 3 hours.  $\frac{\square}{\square} = \frac{\square}{\square}$