

Rates

Divide numerator and denominator by the number in the denominator to get the unit rate.

(a) Complete the equivalent rate.

$$\frac{48 \text{ inches}}{8 \text{ hours}} = \frac{144 \text{ inches}}{24 \text{ hours}}$$

(b) Complete the unit rate.

$$\frac{48 \text{ inches}}{8 \text{ hours}} = \frac{6 \text{ inches}}{1 \text{ hour}}$$

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Description

In this activity, students must complete the equivalent fraction and then find the unit rate. *This activity is non adaptive.*

Teaching Hints

Use the visualization to show students that to complete the equivalent rate they need to multiply or divide the numerator or denominator by the same number. To find the unit rate they simply need to divide the numerator by the denominator.

Activities

(a) Complete the equivalent rate.

$$\frac{45 \text{ phone calls}}{5 \text{ days}} = \frac{180 \text{ phone calls}}{\text{ } \text{ days}}$$

(b) Complete the unit rate.

$$\frac{45 \text{ phone calls}}{5 \text{ days}} = \frac{\text{ } \text{ phone calls}}{1 \text{ day}}$$

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Example

(a) Complete the equivalent rate.

$$\frac{14 \text{ dollars}}{2 \text{ hours}} = \frac{84 \text{ dollars}}{12 \text{ hours}}$$

(b) Complete the unit rate.

$$\frac{14 \text{ dollars}}{2 \text{ hours}} = \frac{7 \text{ dollars}}{1 \text{ hour}}$$

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Correct Answer

(a) Complete the equivalent rate.

$$\frac{24 \text{ inches}}{8 \text{ hours}} = \frac{72 \text{ inches}}{16 \text{ hours}}$$

(b) Complete the unit rate.

$$\frac{24 \text{ inches}}{8 \text{ hours}} = \frac{3 \text{ inches}}{4 \text{ hour}}$$

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Incorrect Answer