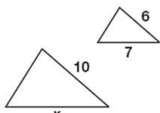


1st 5

Solve. 1) $\frac{3}{6} = \frac{x-3}{8}$ 2. 

3) Marty has a scale model of a car. The scale is 1 in. : 32 in. If the model is 6.75 in. long, how long is the actual car?

4) A map has a scale of 1 in. : 25 mi. Two cities are 175 mi apart. How far apart are they on the map?

1) $\frac{3(x-3)}{6} = \frac{x-3}{8}$

$$6x - 18 = 24$$

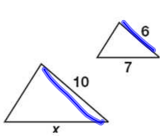
$$\frac{+18}{+18} \quad \frac{+18}{+18}$$

$$\frac{6x}{6} = \frac{42}{6}$$

$x = 7$

Ratio and Proportion Day 5

Ratio and Proportion Day 5

2. 

$$\frac{10}{6} = \frac{x}{7}$$

$$\frac{6x}{6} = \frac{70}{6}$$

$$x = \frac{35}{3} = 11\frac{2}{3} = 11.7$$

3) Marty has a scale model of a car. The scale is 1 in. : 32 in. If the model is 6.75 in. long, how long is the actual car?

$$\frac{\text{model}}{\text{car}} = \frac{1 \text{ in}}{32 \text{ in}} = \frac{6.75 \text{ model}}{x \text{ car}}$$

$x = 216 \text{ in length in the car}$

Ratio and Proportion Day 5

Ratio and Proportion Day 5

4) A map has a scale of 1 in. : 25 mi. Two cities are 175 mi apart. How far apart are they on the map?

$$\frac{1 \text{ in}}{25 \text{ mi}} = \frac{x}{175 \text{ mi}}$$

$x = 7 \text{ in}$

PW 4 P.48 WRKBK

Practice 4-2

1. 7.2 2. 11.6 3. 1.5 4. 4.4 5. 3 6. 6.7 7. 9.3 8. 6

9. 20 10. 216 in. 11. 4 in. 12. 27.5 ft 13. 7.5 14. 7 in.

⑥ $\frac{10}{x} = \frac{6}{4}$ ⑬ $\triangle ABC \sim \triangle XYZ$

⑦ $\frac{x}{4} = \frac{7}{3}$ Big Δ Little Δ $\frac{AB}{XY} = \frac{BC}{YZ} = \frac{AC}{XZ}$

⑧ $\frac{12}{x} = \frac{8}{4}$ $\frac{16}{12} = \frac{10}{x}$

Ratio and Proportion Day 5

Ratio and Proportion Day 5

12 MAR 2012

PW 5

- Review Ratio, Proportion, and Percents

Ratio and Proportion Day 5