

Practice 6.1 & 6.2

Name _____

(6.1) Write the ratio as a fraction in simplest form.

1) 10 to 25

2) $\frac{3}{20}$ to $\frac{5}{10}$

3) $5\frac{1}{2} : 4\frac{1}{2}$

4) 4.8 : 10.4

Write the rate as a fraction in simplest form.

5) A biker goes 200 yards in 40 seconds.

Write the rate as a unit rate.

6) A car travels 210 miles in 6 hours.

Solve the problem. Write ratios in lowest terms.

7) Find the unit price for each option. Which is the better buy?

20-ounce bottle of pop for \$1.60

32-ounce bottle of pop for \$2.24

8) Tuition at a certain college recently increased from \$8000 to \$13,000. Find the ratio of the increase in price to the original price.

(6.2) Solve the proportion.

9) $\frac{5}{a} = \frac{25}{20}$

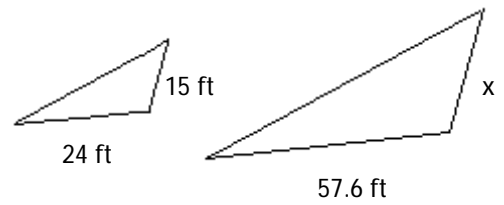
10) $\frac{-2}{n} = \frac{-0.5}{3.5}$

11) $\frac{9}{\frac{1}{4}} = \frac{8}{w}$

12) $\frac{\frac{4}{5}}{\frac{2}{7}} = \frac{b}{\frac{2}{3}}$

Find the measure x for the similar figures shown.

13)



Solve the problem.

14) On a map of the Thunderbird Country Club golf course, 0.5 inches represent 15 yards. How long is the 10th hole if the map shows 13 inches?

15) Under typical conditions, $1\frac{1}{2}$ feet of snow will melt into 2 inches of water. Into how many inches of water will $1\frac{3}{4}$ feet of snow melt?

Answer Key

Testname: WKS_6.1_6.2

1) $\frac{2}{5}$

2) $\frac{3}{10}$

3) $\frac{11}{9}$

4) $\frac{6}{13}$

5) $\frac{5 \text{ yards}}{1 \text{ second}}$

6) 35 mi/hr

7) 20-ounce bottle: \$0.08 per ounce; 32-ounce bottle: \$0.07 per ounce. The 32-ounce is the better buy.

8) $\frac{5}{8}$

9) 4

10) 14

11) $\frac{2}{9}$

12) $\frac{28}{15}$

13) 36 ft

14) 390 yd

15) $2\frac{1}{3}$ in.