

## Chapter 6 sec 1

### Ratio

Express the following as a ratio two other ways.

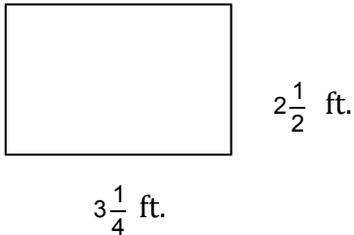
a) 0.14: 0.44

b) 10:35

c)  $\frac{7}{22}$

d) 9 to 33

Page 450: EXAMPLE 2. For the rectangle that follows, express the ratio of length to width as a fraction reduced to lowest terms.



### Rate

Page 451: EXAMPLE 3. An automobile travels 224 miles on 12 gallons of gasoline. Express the ratio, distance traveled to gas consumption as a fraction reduced to lowest terms. Write a short sentence explaining the physical significance of your solution. Include units in your description.

### Unit Rate

Page 452: EXAMPLE 4. Herman drives 120 miles in 4 hours. Find his average rate of speed.

EXAMPLE 5. Aditya works 8.5 hours and receives \$95 for his efforts. What is his hourly salary rate?

Page 453: EXAMPLE 6. One automobile travels 422 miles on 15 gallons of gasoline. A second automobile travels 354 miles on 13 gallons of gasoline. Which automobile gets the better gas mileage?