

## Review Exercise Set 26

Exercise 1: Write the comparison as a ratio in simplest form using (1) a fraction, (2) a colon, and (3) the word "to".

5 inches to 35 inches

Exercise 2: Write the comparison as a ratio in simplest form using (1) a fraction, (2) a colon, and (3) the word "to".

\$4 to \$34

Exercise 3: Write the comparison as a ratio in simplest form using (1) a fraction, (2) a colon, and (3) the word "to".

28 feet to 20 feet

Exercise 4: Use the table below to find the ratio of Dodge cars to total cars. Write the ratio in simplest form using a fraction.

Cars for Sale at a Used Car Lot			
Chevy	Dodge	Ford	Total
85	75	40	200

Exercise 5: Use the table from exercise 4 to find the ratio of Chevy cars to Dodge cars. Write the ratio in simplest form using a fraction.

## Review Exercise Set 26 Answer Key

Exercise 1: Write the comparison as a ratio in simplest form using (1) a fraction, (2) a colon, and (3) the word "to".

5 inches to 35 inches

$$\text{Fraction: } \frac{5}{35} = \frac{\cancel{5}^1}{\cancel{5}^1 \times 7} = \frac{1}{7}$$

Colon: 1:7

Word "to": 1 to 7

Exercise 2: Write the comparison as a ratio in simplest form using (1) a fraction, (2) a colon, and (3) the word "to".

\$4 to \$34

$$\text{Fraction: } \frac{4}{34} = \frac{\cancel{2}^1 \times 2}{\cancel{2}^1 \times 17} = \frac{2}{17}$$

Colon: 2:17

Word "to": 2 to 17

Exercise 3: Write the comparison as a ratio in simplest form using (1) a fraction, (2) a colon, and (3) the word "to".

28 feet to 20 feet

$$\text{Fraction: } \frac{28}{20} = \frac{\cancel{4}^1 \times 7}{\cancel{4}^1 \times 5} = \frac{7}{5}$$

Colon: 7:5

Word "to": 7 to 5

Exercise 4: Use the table below to find the ratio of Dodge cars to total cars. Write the ratio in simplest form using a fraction.

Cars for Sale at a Used Car Lot			
Chevy	Dodge	Ford	Total
85	75	40	200

$$\text{Dodge cars to Total cars: } \frac{75}{200} = \frac{\cancel{5}^1 \times \cancel{5}^1 \times 3}{\cancel{5}^1 \times \cancel{5}^1 \times 2 \times 2 \times 2} = \frac{3}{8}$$

Exercise 5: Use the table from exercise 4 to find the ratio of Chevy cars to Dodge cars. Write the ratio in simplest form using a fraction.

$$\text{Chevy cars to Dodge cars: } \frac{85}{75} = \frac{\cancel{5}^1 \times 17}{\cancel{5}^1 \times 5 \times 3} = \frac{17}{15}$$