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.

<table>
<thead>
<tr>
<th>Cars for Sale at a Used Car Lot</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chevy</td>
</tr>
<tr>
<td>85</td>
</tr>
</tbody>
</table>

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

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

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".

$4 to \$34$

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

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

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

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   |

Dodge cars to Total cars: \( \frac{75}{200} = \frac{\frac{1}{5} \times \frac{1}{5} \times 3}{\frac{1}{5} \times \frac{1}{5} \times 2 \times 2} = \frac{3}{8} \)

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.

Chevy cars to Dodge cars: \( \frac{85}{75} = \frac{\frac{1}{5} \times 17}{\frac{1}{5} \times 3} = \frac{17}{15} \)