

Proportions

Directions: Solve each proportion.

1. $\frac{3}{7} = \frac{x}{28}$

2. $\frac{4}{15} = \frac{6}{x}$

3. $\frac{x-20}{5} = 6$

4. $\frac{18}{57} = \frac{x}{19}$

5. $\frac{6}{3-x} = \frac{2}{7}$

6. If six bracelets cost \$15.50, what is the cost of 9 bracelets?

7. Faith is making chocolate chip cookies. The recipe requires $\frac{2}{3}$ cup of brown sugar to make 12 cookies. How much brown sugar will she need if she wants to make 20 cookies?

8. A map has a scale of 1:40 (1 inch = 40 feet). If the distance between two points on a map is $3\frac{1}{2}$ inches, what is the actual distance?

9. Jennifer can run one lap around the track in 4 minutes and 20 seconds. How many laps can she run in 10 minutes?

10. Maria earns \$68 for 8 hours of work. How much does she earn for 30 hours of work at the same rate?