

2.6 Paper Practice

Solving Proportions

Example 1

Solve each proportion. If necessary, round to the nearest hundredth.

1. $\frac{5}{9} = \frac{g}{27}$

2. $\frac{2}{x} = \frac{4}{28}$

3. $\frac{h}{8} = \frac{16}{30}$

4. $\frac{7}{15} = \frac{42}{n}$

5. $\frac{0.4}{w} = \frac{3}{0.75}$

6. $\frac{8.4}{4.8} = \frac{6.3}{k}$

Example 2

Solve each proportion. If necessary, round to the nearest hundredth.

7. $\frac{2b+14}{8} = \frac{1-2b}{12}$

8. $\frac{2z-3}{3} = \frac{3z-1}{6}$

9. $\frac{9}{-t-6} = \frac{27}{2t+22}$

10. $\frac{6}{4y+1} = \frac{9}{9y-6}$

11. $\frac{5d+1}{7} = \frac{6d-5}{15}$

12. $\frac{4f+7}{24} = \frac{7f-3}{32}$

Example 3

13. **TRAVEL** Carla traveled 320 miles in 5 hours. At this rate, how far will Carla travel in 7 hours?

14. **GIFT SHOP** A gift shop sells souvenir magnets. The store is selling 3 magnets for \$10. At this price, how much will it cost to buy 8 magnets?

15. **BASEBALL** During the regular season, each Major League Baseball team plays 162 games. In the 2019 regular season, the Cincinnati Reds had a winning percentage of about 46.3%. How many games did the Cincinnati Reds win in the 2019 regular season?