

Setting Up Proportions

Solve each proportion.

1. $\frac{7}{18} = \frac{n}{32}$

2. $\frac{7}{4} = \frac{21}{x}$

3. $\frac{y}{9} = \frac{4}{12}$

4. $\frac{5}{n} = \frac{9}{27}$

5. $\frac{18}{24} = \frac{6}{d}$

6. $\frac{15}{6} = \frac{n}{2}$

7. $\frac{x}{10} = \frac{21}{7}$

8. $\frac{4}{m} = \frac{8}{11}$

9. $\frac{17}{80} = \frac{n}{25}$

Write a proportion that could be used to solve each variable. After you have written all the proportions, go back and solve them if you have time.

10. n subscriptions for \$72
78 subscriptions for x dollars11. 20 ounces at \$7
17 ounces at x dollars12. 1 gallon of water weighs $8\frac{1}{2}$ pounds
20 gallons of water weigh x pounds13. 1 cm represents 2.5 km
2.8 cm represents x km14. 2 items at \$15.50
 x items at \$23.5015. 2 packages of cheese for \$1.47
8 packages of cheese for x dollars