

MATH 0471 – PROPORTIONS

Instructions: Solve each of the following proportions. Round your answer to the nearest hundredth.

1. $\frac{7}{12} = \frac{x}{12}$

2. $\frac{5}{8} = \frac{40}{x}$

3. $\frac{65}{20} = \frac{14}{n}$

4. $\frac{-1.2}{2.8} = \frac{y}{32}$

5. $\frac{2.5}{0.6} = \frac{125}{x}$

6. $\frac{x}{23} = \frac{70}{100}$

7. $\frac{78}{100} = \frac{y}{52}$

8. $\frac{3}{4} = \frac{x}{-10.5}$

9. $\frac{12.5}{y} = \frac{102}{55}$

10. A life insurance policy costs \$10.44 for every \$1000 of insurance. At this rate, what is the cost of \$75,000 of insurance?

11. Walking 10 miles will use 650 calories. Walking at the same rate, how many miles would a person need to walk to lose one pound? (The burning of 3,500 calories is equivalent to the loss of one pound.)

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1. $x = 7$	2. $x = 64$	3. $n = 4.31$
4. $y = -13.71$	5. $x = 30$	6. $x = 16.1$
7. $y = 40.56$	8. $x = -7.88$	9. $y = 6.74$
10. \$783	11. 53.85 miles	12.
13.	14.	15.

