

Proportion Word Problems

1. Carol spends 17 hours in a 2-week period practicing her culinary skills. How many hours does she practice in 5 weeks?
2. In the typing world, 80 words per minute is considered acceptable. How many words per 30 minutes is this?
3. In the year 2000, there were 8.7 deaths per 1000 residents in the United States. If there were 281,421,906 residents in the U.S. during 2000, how many people died that year?
4. In a shipment of 400 parts, 14 are found to be defective. How many defective parts should be expected in a shipment of 1000?
5. Joseph drives 125 miles in $2\frac{1}{2}$ hours. At the same rate, how far will he be able to travel in 6 hours?
6. A piece of cable 8.5 cm long weighs 52 grams. What will a 10-cm length of the same cable weigh?
7. A rainstorm produced a rainfall of 2 inches per hour. How many hours would it take to get a rainfall amount of one foot?
8. A snowstorm dumped 18 inches of snow in a 12-hour period. How many inches were falling per hour?
9. Mary can read 22 pages in 30 minutes. How long would it take her to read a 100 page book? Write your answer in hours and minutes and round to the nearest minute, if needed.
10. It takes about me 25 minutes to make out a test for a mathematics class. How long will it take to make out tests for all five of my classes?
11. The chance of a woman getting breast cancer in her lifetime is 1 out of 8. At this rate, how many women in a classroom of 32 women would be expected to come down with breast cancer in her lifetime?
12. If 15.9 out of every 100 pregnant women in Georgia deliver their babies by C-Section, how many pregnant women out of 25,250 would be expected to deliver by C-Section?
13. A company's quality control department found an average of 5 defective models for every 1000 models that were checked. If the company produced 60,000 models in a year, how many of them would be expected to be defective?
14. The ratio of trout to tuna in the neighborhood lake, Lake Ratio, is 14 to 17. If there are 1200 fish in the lake, about how many are tuna?
15. An employee working at an electronics store earned \$3582 for working 3 months during the summer. What did the employee earn for the first two months?
16. A worker can complete the assembly of 15 tape players in 6 hours. At this rate, how many can the worker complete in a 40-hour work week?