

Practice for Percent Equation

Answers on last page(s)

Find the part.

- 1) 10% of 700 acres 1) _____

Solve the problem.

- 2) A savings bank invests \$55,600 in municipal bonds and earns 2% per year on the investment. How much money is earned per year? 2) _____

- 3) A chemical solution contains 1% calcium. How much calcium is in 1.5 mL of solution? 3) _____

- 4) An outlet store had monthly sales of \$103,000 and spent 26% of it on legal fees. How much was spent on legal fees? 4) _____

- 5) The First National Bank pays $3\frac{3}{5}\%$ interest per year on money market accounts. What is the annual income on a money market account of \$61,600? Round to the nearest dollar. 5) _____

- 6) The appliance store where the Scott family shops offers a 7% discount for paying cash. The Scott family received a discount of \$31. What was their total bill before the discount? 6) _____

- 7) A clinical analyst has 60 clients, 30% of whom are businesses. Find the number of business clients. 7) _____

- 8) Alex and Juana went on a 96-mile canoe trip with their class. On the first day they traveled 24 miles. What percent of the total distance did they canoe? 8) _____

- 9) During one year, the Larson's real estate bill included \$437 for local schools. Of this amount, \$235 went to the high school district. What percent did the Larsons pay to the high school district? Round your answers to the nearest tenth, if necessary. 9) _____

- 10) Students at Maple School earned \$292 selling candles. They want to accumulate \$2000 for a club trip. What percent of their goal has been reached? 10) _____

- 11) Alex has saved \$238 at the bank. He wants to accumulate \$1750 for a trip to soccer camp. What percent of his goal has been reached? 11) _____

Find the part.

- 12) 0.3% of 2000 highways 12) _____

- 13) 36% of 1400 exercise programs 13) _____

- 14) 82% of 500 animals 14) _____

- 15) 8.0% of 2400 universities 15) _____

- 16) 7000% of 412 animals 16) _____
- 17) 170% of 3840 diet drinks 17) _____
- 18) $5\frac{1}{5}$ % of 8000 diet drinks 18) _____

Find the whole.

- 19) 69 bridges is 138% of what number of bridges? 19) _____
- 20) 64 cats is 40% of what number of cats? 20) _____
- 21) 21 nurses is 1% of what number of nurses? 21) _____
- 22) 34% of what number of acres is 68 acres? 22) _____
- 23) 20% of what number of roads is 53 roads? 23) _____
- 24) 164 factories is 41% of what number of factories? 24) _____
- 25) 71 trees is 0.71% of what number of trees? 25) _____
- 26) 567 disks is 12.6% of what number of disks? 26) _____
- 27) 77 acres is 140% of what number of acres? 27) _____
- 28) $4\frac{1}{2}$ % of what number of vests is 90 vests? 28) _____
- 29) $66\frac{2}{3}$ % of what number of highways is 728 highways? 29) _____

Find the percent.

- 30) 941 chairs is what percent of 705 chairs? 30) _____
- 31) 926 parakeets is what percent of 1530 parakeets? 31) _____
- 32) 931 closets is what percent of 796 closets? 32) _____
- 33) 3.4 yards is what percent of 20 yards? 33) _____
- 34) What percent of 2597 maples is 16 maples? 34) _____

- 35) What percent of 6 inches is 0.04 inches? 35) _____
- 36) \$15.43 is what percent of \$547.78? 36) _____
- 37) \$702.87 is what percent of \$66.42? 37) _____
- 38) What percent of 109 inches is 17.4 inches? 38) _____
- 39) What percent of 56 cats is 831 cats? 39) _____
- 40) 84.7 miles is what percent of 8 miles? 40) _____

Answer Key

Testname: PERCENTEQUATION

- 1) 70 acres
- 2) \$1112
- 3) 0.015 mL
- 4) \$26,780
- 5) \$2218
- 6) \$443
- 7) 18 clients
- 8) 25%
- 9) 53.8%
- 10) 14.6%
- 11) 13.6%
- 12) 6 highways
- 13) 504 exercise programs
- 14) 410 animals
- 15) 192 universities
- 16) 28,840 animals
- 17) 6528 diet drinks
- 18) 416 diet drinks
- 19) 50
- 20) 160
- 21) 2100
- 22) 200
- 23) 265
- 24) 400
- 25) 10,000
- 26) 4500
- 27) 55
- 28) 2000
- 29) 1092
- 30) 133.5%
- 31) 60.5%
- 32) 117.0%
- 33) 17.0%
- 34) 0.6%
- 35) 0.7%
- 36) 2.8%
- 37) 1058.2%
- 38) 16.0%
- 39) 1483.9%
- 40) 1058.8%