

Percent: Word Problems—Practice

Solve:

1. A company built and equipped a new suite of offices for \$200,000. Of this amount, \$40,000 was for equipment and furnishings. What percent of the total expenditure was for equipment and furnishings?
2. Twelve years ago, a building was valued at \$120,000. Today the building has a value of \$200,000. What percent of the price twelve years ago is the value today?
3. A used car dealer estimates that 65% of the company's sales will occur on Thursday, Friday, or Saturday. Using this estimate, how many cars out of the 80 sold last month were sold on Thursday, Friday, or Saturday?
4. Approximately 70% of the employees in a company purchase supplementary dental insurance. Using this estimate, how many of the company's 200 employees purchased dental insurance?
5. The value of a service truck is 60% of its value two years ago. The value two years ago was \$12,500. What is the value of the truck today?

6. A computer dealer estimates that 12.5% of the computers sold will require service during the one year warranty period. Using this estimate, how many computers were sold in a year in which 75 new computers were serviced?
7. The number of employees in a business is 50. Ten of the employees are men. What percent of the employees are men?
8. The salary of an office manager, which had been \$25,000, was increased by \$6,000. What percent of her previous salary does this represent?
9. The number of building permits issued in a city this year was 72,000. This represents 125% of last year's number of permits. How many building permits were issued last year?
10. The annual license fee on a van is 1.5% of the value of the van. What is the value of a van during a year in which the license fee was \$120?

Answer Key

Percents: Word Problems – Practice

1. 20%
2. $166\frac{2}{3}\%$
3. 52 cars
4. 140 employees
5. \$7,500
6. 600 computers
7. 20%
8. 24%
9. 57,600 building permits
10. \$8,000