

Lecture Notes

1. A used car is sold for \$18,900. The buyer of the car makes a down payment of \$3,780. What percent of the selling price is the down payment?

2. A computer system that sold for \$2400 one year ago can now be bought for \$1800. What percent decrease does this represent?

3. A tennis racket that regularly sells for \$80 is on sale for 30% off the regular price. Find the sale price.

Percent Applications -0404

1. A farmer is given an income tax credit of 15% of the cost of some farm machinery. What tax credit would the farmer receive on farm equipment that cost \$85,000?
2. A company spent 7% of its \$120,000 budget for advertising. How much did the company spend for advertising?
3. A quality control inspector found that 1.2% of 4000 cellular telephones were defective. How many of the phones were not defective?
4. A resort lodge expects to make a profit of 22% of total income. What is the expected profit on \$750,000 of income/
5. In a recent city election, 25,400 out of 112,000 registered voters voted. What percent of the registered voters voted in the election? Round to the nearest tenth of a percent.
6. A sales clerk was earning \$10.50 an hour before an 8% increase in pay. What is the clerk's new hourly wage?
7. A parka costing \$110 is sold for \$181.50. Find the percent markup.
8. An airline is offering a 40% discount on round-trip air fares. Find the sale price of a round-trip ticket that normally sells for \$650.
9. An insurance company expects 2.2% of a company's employees will have an industrial accident. How many accidents are expected for a company that employs 1,500 people?
10. The number of management trainees working for a company has increased from 36 to 42. What percent increase does this represent?

SOLUTIONS

1. \$12,750 tax credit
2. \$8,400 spent on advertising
3. 3,952 were not defective
4. \$165,000 profit
5. 22.7% of the registered voters voted
6. \$11.34 is the new hourly wage
7. \$71.50 markup
8. \$390 is the sale price
9. 33 accidents are expected
10. approximately 16.7% increase