

Using Proportion for Percent Problems (UPPP)

Set up in proportion and solve:

1. What percent is 12 of 8?
2. 87.5 is 35% of what number?
3. 15% of what number is 60
4. 25 is 4% of what number?
5. What percent of 50 is 11?

Set up in a proportion and solve:

6. A spring coat that costs the retailer \$60.00 was marked 20% off of the cost. What was the discount (money saved)?
7. The car costs \$12,600. There is a 11% tax on it. What is the amount of the tax (in dollars)?
8. Ms. Long, a professional wrestler, made \$32,800 last year. This year, she made a raise of \$2,132. What was the percent of the raise?
9. A merchant sold 3,500 hats in one month. If she purchased 4000 hats, what percent of the hats were sold?
10. A house painter has an annual income of \$35,000 and paid \$2,500 in income tax (a tax taken from the salary). What percent of her income is the income tax?
11. In the Student Senate election, the winning candidate got 58% of the 368 votes that were cast. How many votes did the winner receive?
12. A one-year-old baby often weighs 400% of its birth weight. What should a one-year-old baby weigh if it was 8 pounds at birth?