

Percent Word Problems

1. A DVD is regularly priced at \$30.00. During a sale, the same DVD was purchased for \$19.50. What was the percent discount offered during the sale?
 - a) 45%
 - b) \$10.50
 - c) 65%
 - d) 35%

2. A book has a cover price of \$46. Books N' Stuff advertises that they always sell books "20% off cover price". During a fall sale, the store promised to take another 40% off of the already reduced price. What is the price of a \$46 book during the fall sale?
 - a) \$23.92
 - b) \$18.40
 - c) \$22.08
 - d) \$27.60

3. John is a door-to-door vacuum cleaner salesman. John receives \$150 a week plus 15% of all the sales he generates. If John sold \$4000 worth of merchandise of a three week period, how much money would he receive for that period?
 - a) \$1050
 - b) \$750
 - c) \$667.50
 - d) \$600

4. Nancy is a real estate agent. She has learned that an average real estate agent increases his/her sales 5% each year. If Nancy sold \$950,000 worth of property in her first year, how much in sales can she expect in another 5 years?
 - a) \$1,187,500
 - b) \$1,140,000
 - c) \$1,212,467
 - d) \$1,154,731

5. The Milwaukee Avengers had 60 wins in 2000. They had 25% more wins in 2001. In 2002, the Avengers had 20% less wins than had in 2001. How many wins did the Avengers have in 2001?
- a) 90
 - b) 75
 - c) 60
 - d) 15
6. A hot new show called "Leave It to Hamster" generated a 14.0 rating during its debut. Upon its second airing, its ratings went up 15%. The third show generated a 19.32 rating. What was the percent increase in ratings from the second show to the third?
- a) 15%
 - b) 20%
 - c) 12.5%
 - d) 16%
7. Mega-Mart had \$12,000,000 in profits last year. They project their profits will increase by 24% over the next year. If their profits only increase by 15%, how much less money will they show in profit than they anticipated?
- a) \$259,200
 - b) \$1,800,000
 - c) \$432,000
 - d) \$1,080,000
8. Ford reported an annual sales increase of 12% over the past year. If Ford sold 363,440 cars in 2002, how many cars did they sell in 2001?
- a) 315,600
 - b) 319,832
 - c) 324,500
 - d) 407,008

9. Transistor City is offering a huge, in store clearance sale. It is offering 45% off of everything in the store, and an additional 15% off the already reduced price if you buy this weekend. The store is also offering an online discount of 60% off everything on the website, though there is a \$29.99 shipping and handling fee. Which is the better bargain if Greg is looking to purchase a television that is \$465.00?

- a) in store clearance sale
- b) online discount
- c) same price
- d) cannot be determined

10. Senator Douglas is running for re-election. Pollsters are projecting that 24.5% of the state will vote in the election. What is the least number of votes Senator Douglas will need to win the election (receive more than 50% of the vote) if his state has a population of 15,794,200?

- a) 1,522,910
- b) 2,387,250
- c) 1,934,790
- d) 7,897,100