

## Percent Challenge Questions

1. John bought a car for \$16 000. He sold it for a 25% profit. He used all of the money from this sale to buy another car, which unfortunately he had to sell for a 25% loss. What was his overall profit or loss?
2. The population of a town increased by 10% each year for 3 years. What is total percentage increase after 3 years?
3. Last year a company made a net profit of \$20 000 on sales of \$1 000 000. This year they made a net profit of \$40 000 on sales of \$1 000 000. When talking to the shareholders, they claimed that their profit increased by 100%, and asked for a large bonus for doing so well. When talking to the union about a possible wage rise, they claimed that their profit only increased by 2%, which hasn't even kept up with inflation.  
  
How did they determine these figures? Which one do you think is correct?
4. The cost of a loaf of bread increased by 850% over the last 20 years. Today a loaf of bread sells for \$1.53. What did it sell for 20 years ago?
5. Which is the greater amount, 40% of \$1000, or 1000% of \$40?

