Percentage increases and decreases

1a. Find 120% of 75 90

b. Find 135% of 820 1107

c. Find 85% of 340 289

2. A house cost £200 000 in 2006. By 2011, the price of the house had risen by 20%. What is the new cost of the house? £240 000

3. A new television costs £600. In a sale there is 10% off. What is the new price of the television? £540

4. A new car costs £9 495. In the first year its value drops by 30%. What is it worth at the end of the first year? £6 646.50

5. A different car originally costs £12 500. In the first year its value drops by 20%. What is it worth at the end of the first year? £10 000

6. A nurse's wage increases by 3%. If she was earning £21 540 last year, how much is she earning now? £22 093.50

7. An office manager receives a 7% bonus on his wage. If his wage is £35 235, how much is his bonus? £2 466.45

Extension:

8. A car originally cost £15 000. In the first year its value dropped by 25%. In the second year its value dropped by another 15%. What is it worth now? £9 562.50