Percentage Increases and Decreases

1) A shop increases the prices of all its goods by 15%.
   (a) What is the new price of a coat that was priced £29.50
   (b) A jacket now costs £50.60. What was the price before the increase?

2) VAT is charged at 17.5% on most goods bought.
   (a) A computer is advertised at £680 + VAT. What is the full price?
   (b) Another computer is £940 (including VAT). What is the price excluding VAT?

3) A plant has grown by 18% in a week. If it is now 70.8cm, how tall was it last week?

4) A savings account increases in value by 6% per year. If the balance is now £954,
   (a) What was the balance a year ago?   (b) What will the balance be in a year's time?

5) The cost of a cooker is £329 including VAT at 17.5%.
   (a) What is the price before VAT is added?   (b) How much is the VAT on this cooker?

6) A shop reduces the price of all goods by 20% in a sale.
   (a) What is the sale price of a CD player which was priced at £48?
   (b) A radio is now priced at £25.60. What was the price before the sale?

7) A firm is reducing the number of staff in each department by 15%
   (a) There were 240 staff in the sales department before the reduction. How many are there now?
   (b) There are now 255 staff in the packing department. How many were there before?

8) The number of students in a school decreases by 30%. If there are now 630 students, how many were there before the decrease?

9) The price of a share has fallen by 35% to 312p. What was the price before?

10) The value of a car decreases by 15% each year. It is now worth £2380
   (a) How much will it be worth in one year's time?
   (b) How much was it worth one year ago?