1 Work out the following.
  a 70% of 50   b 32% of 600
  c 24% of 300   d 5% of 200
  e 42% of $12   f 60% of $18
  g 7% of 33 m   h 2.5% of $460

2 A soccer player scores with 40% of his shots at goal. He shoots for goal 30 times altogether. How many times would you expect him to score?

3 A church asks its members pay a 'tithe' of 10% of their income. How much would a member with an income of $85 000 pay?

4 A serious drought affected kiwifruit production this year. The total weight of fruit at one orchard was only 70% of last year's figure, 6500 kg. Calculate the total weight produced this year.

5 These are instructions for mixing concrete: the amount of cement added to the mixture should be 30% of the weight of gravel. How much cement should be added to 150 kg of gravel?

6 Membership fees for senior citizens at a social club are 80% of the fee charged to ordinary members. The fee for ordinary members is $90. How much do senior citizens pay?

7 A can of fly-spray was tested on 2000 flies. 87% of the flies were killed. How many survived?

8 The government pays some retired people a pension of 60% of the average wage after tax. The average wage after tax is $56 500. Calculate the amount of the pension.

9 The owners of a hall hire it out for social events. They charge 15% of the total entrance fees taken. The hall has been hired out for a dance, and the total entrance fees were $1200. Calculate how much the owners should receive.

10 A market gardener in Pukekohe has a land-holding of 15.7 ha. He uses 36% of his land for growing onions. How many hectares are used for growing onions?

11 In a plumber's business 27% are 'repeat' customers and the rest are 'first-time' customers. If the business has 1300 customers altogether, how many are 'first-time' customers?

12 A Year 9 class were given 230 raffle tickets to sell. They sold 100% of them. How many were left?

13 A family puts aside 28% of their income on their mortgage, and puts another 9% into savings. If their income is $73 000, how much money is available for *other* items?

14 A telephone company surveyed 2400 customers to find out if they were satisfied with the service. A year later, they repeated the survey, this time with another 2400 customers. In the first survey, 27% were not satisfied, while in the second survey 19% were not satisfied. How many fewer customers were not satisfied in the second survey compared with the first survey?

15 A white 'Farmers Loaf' weighs 750 g. The label on the packet says: 'Contains a maximum of 2.6% fat and a minimum of 2.5% dietary fibre'.
    a What is the greatest weight of fat that would be in the loaf?
    b What is the least weight of dietary fibre that would be in the loaf?