1. The cost of running a car over a year is £1950.
   For each cost calculate the angle swept out if the data were to be presented as a pie chart.
   (answers to 2 d.p.)

   (a) insurance £300   (b) road tax £120   (c) M.O.T. test £50
   (d) petrol £1200   (e) repairs £200   (f) servicing £80

2. A pie chart is constructed representing the ice cream tastes of 1080 children.
   If the angles swept out for each flavour are as follows, calculate the number of children
   each angle represents.

   (a) 25° lime   (b) 47° banana   (c) 69° orange
   (d) 105° chocolate   (e) 72° strawberry   (f) 11° vanilla

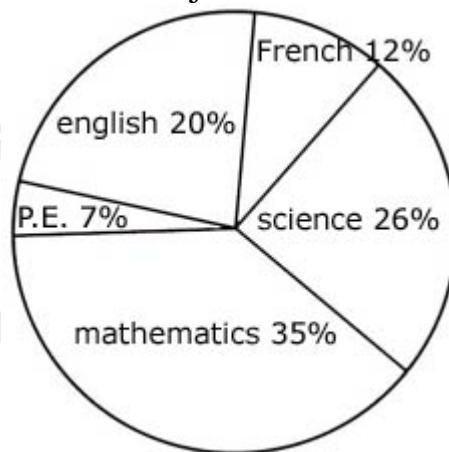3. A weekly household budget is £280.
   For each cost calculate the angle swept out if the data were to be presented as a pie chart.
   (answers to 2 d.p.)

   (a) rent £125 (b) food £80   (c) heating & lighting £25 (d) clothing £15 (e) holidays £35

   For each cost (below) calculate the % of the budget taken.

   (f) rent   (g) food   (h) heating & lighting   (i) clothing   (j) holidays

4. The pie chart represents the favourite subjects of 700 students in a secondary school.

   (a) How many students liked French?
   (b) How many students in total liked science and mathematics?
   (c) What angle was swept out by english?
   (d) What angle was swept out by students not liking P.E.? (1 d.p.)

1. (a) 55.38° (b) 22.15° (c) 9.23° (d) 221.54° (e) 36.92° (f) 14.77°

2. (a) 75 (b) 141 (c) 207 (d) 315 (e) 216 (f) 33

3. (a) 160.71° (b) 102.86° (c) 32.14° (d) 19.29° (e) 45.00°

   (f) 44.64% (g) 28.57% (h) 8.93% (i) 5.36% (j) 12.50%

4. (a) 84 (b) 427 (c) 72° (d) 334.8°