## Representing raw data in a pie chart
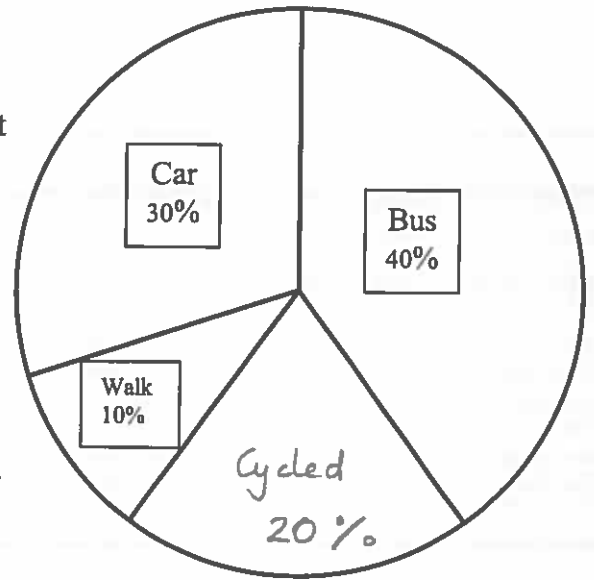
1. A class of 30 pupils was asked about how they travelled to school and this pie chart drawn.

   (a) How many
       (i) walked **3**
       (ii) came by bus **12**
       (iii) came by car **9**
       (iv) cycled? **6** [4]

   (b) What was the least popular method of travel?
       **Walking** [1]



Car 30%
Bus 40%
Walk 10%
Cycled 20%

2. As people left a Sports Centre they were asked which sport they had taken part in. The table shows the results.

| Sport | Number of people |
|---|---|
| Squash | 4 |
| Swimming | 17 |
| Badminton | 8 |
| Skating | 11 |

Draw a pie-chart to show this information.

**The size of each section in the pie chart should be.**

**Squash = 36°  Swimming = 153°**
**Badminton = 72°  Skating = 99°** [5]

3. A group of pupils are asked their favourite type of music. The results are shown below.

| Type of Music | Number of Pupils |
|---|---|
| Pop | 43 |
| Rock | 12 |
| Hip-Hop | 9 |
| R and B | 18 |
| Disco | 23 |
| Rap | 15 |

Show this information in a pie chart. [5]

**The size of each section should be;** [15 marks]

**Pop = 129°  Rock = 36°  Hip-Hop = 27°  R&B = 54°**
**Disco = 69°  Rap = 45°**