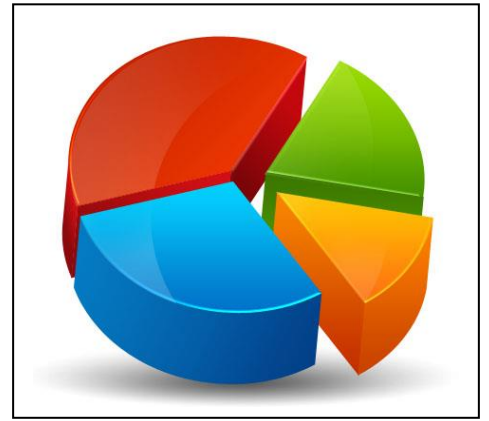


Pie Charts



We expect pupils to:

- Use a pencil
- Label all the slices or insert a key as required
- Give the pie chart a title.

Construct pie charts involving simple fractions, decimals or percentages.

Construct pie charts of raw data.

WORKED EXAMPLES:

Level 3

30% of pupils travel to school by bus, 10% by car, 55% walk and 5% cycle.

Draw a pie chart of the data.

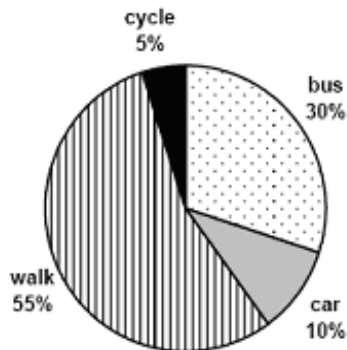
$$\text{Bus } 30\% = 30 \div 100 \times 360 = 108^\circ$$

$$\text{Car } 10\% = 10 \div 100 \times 360 = 36^\circ$$

$$\text{Walk } 55\% = 55 \div 100 \times 360 = 198^\circ$$

$$\text{Cycle } 5\% = 5 \div 100 \times 360 = 18^\circ$$

Transport to school



Level 4

20 pupils were asked "What is your favourite subject?"

Replies were Maths 5, English 6, Science 7, Art 2
Draw a pie chart of the data.

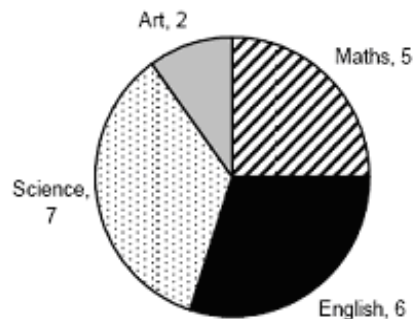
$$\text{Maths (5)} \quad 5/20 = 5 \div 20 \times 360 = 90^\circ$$

$$\text{English (6)} \quad 6/20 = 6 \div 20 \times 360 = 108^\circ$$

$$\text{Science (7)} \quad 7/20 = 7 \div 20 \times 360 = 126^\circ$$

$$\text{Art (2)} \quad 2/20 = 2 \div 20 \times 360 = 36^\circ$$

Favourite subject



(A full pie chart = 360°)