

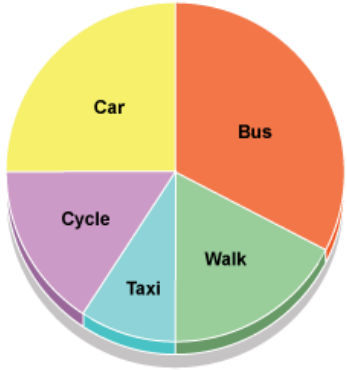


Interpreting

Pie Charts Revision

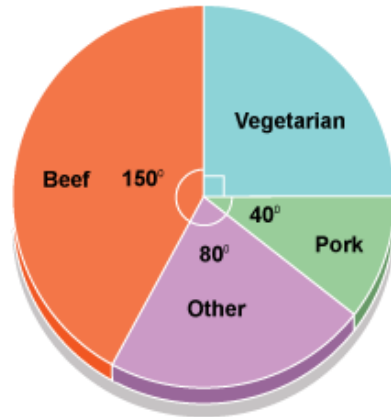
Constructing

A survey was carried out on how students travelled to school.



- 1) What is the mode method of transport?
- 2) What fraction of the students didn't travel by car?
- 3) If 9 students travelled to school by car, how many students took part in the survey?

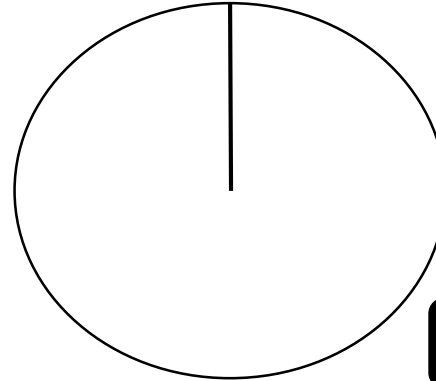
A supermarket chain sold 7200 packets of sausages last month. The pie chart shows the different flavours.



- 1) What was the fraction of pork sausages sold?
- 2) How many packets of vegetarian sausages were sold?
- 3) How many packets of beef sausages were sold?

The table shows the grades achieved by 30 pupils in their end of year exam.

Accurately construct a pie chart to represent this information

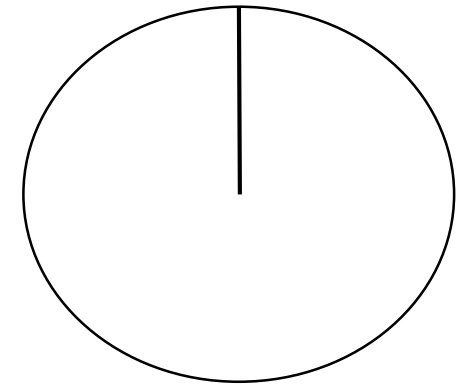


Grade	Frequency	Degrees
A	9	
B	11	
C	8	
D	2	

$$\text{Degrees} = \frac{\text{frequency}}{\text{Total frequency}} \times 360$$

108 people were asked what their favourite hair colour was. Complete the table and accurately draw a pie chart.

Colour	Frequency	Degrees
Red		80
Blue	18	
Pink	39	
Other		90

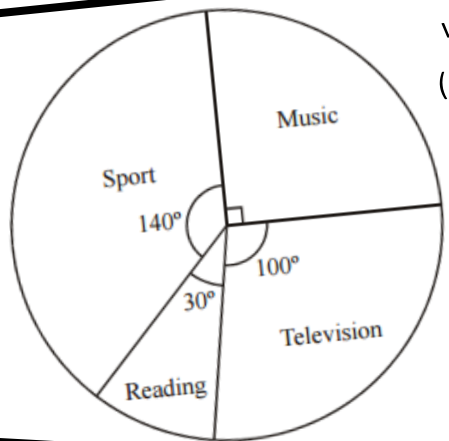


$$\text{Frequency} = \frac{\text{degrees}}{360} \times \text{total}$$

Pie Charts Revision



Exam Questions



In a survey, some students were asked what their favourite leisure activity was. Their answers were used to draw this pie chart.

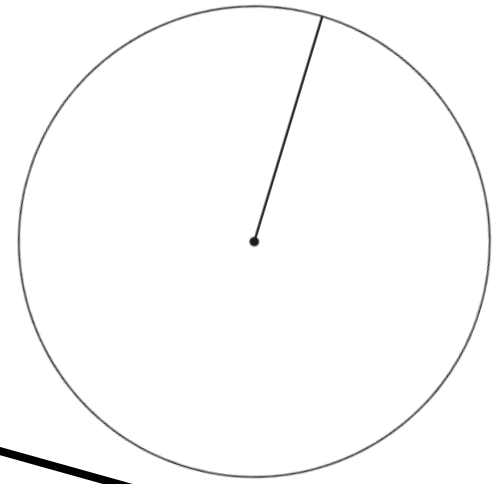
(a) Write down the fraction of the students who answered "Television". Write your answer in its simplest form.
 (2)

18 students answered "Music".
 (b) Work out the number of students who took part in the survey.
 (2)
 (Total 4 marks)

Sam recorded the colours of cars parked at his school yesterday. The table shows his results.

Colour	Frequency	
Blue	20	
Red	22	
Green	6	
White	12	

Complete an accurate pie chart to show this information. Use the circle given below.



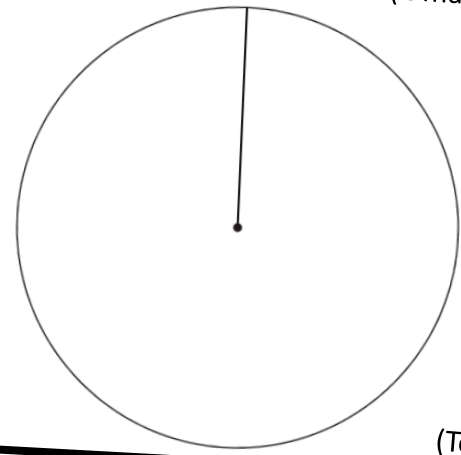
(Total 4 marks)

Jon asked 240 what their favourite summer sport was. The results are shown below.

a) Complete the table. (3 marks)

Sport	Frequency	Degrees
Football	36	
Badminton		99
Tennis	78	
Rugby		90

b) Complete the pie chart. (2 marks)



(Total 5 marks)