FOUNDATION & HIGHER

SAME AT BOTH TIERS

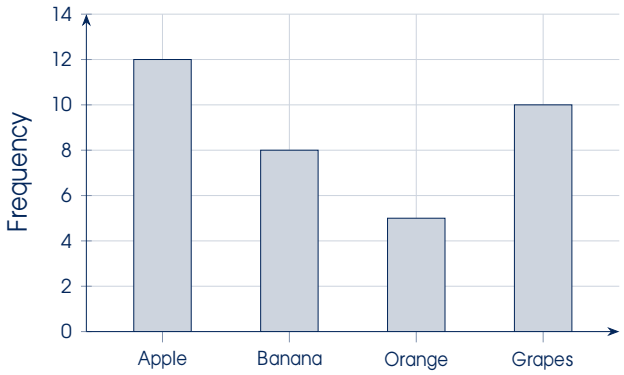
Name ..... Class .....

S2: Charts and tables

Bar charts, pie charts, pictograms, vertical line charts and time series

20 marks · 25 minutes · Non-calculator

1) The bar chart shows the favourite fruit of some students.



(a) How many students chose banana?

.....

(1)

(b) How many students were asked altogether?

.....

(1)

(c) Which fruit is the mode?

.....

(1)

[Question 1: 3 marks]

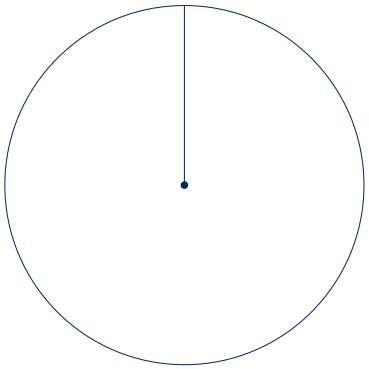
2) 60 people were asked about their pets.

Pet	Frequency	Angle
Cat	18	
Dog	27	
Other	15	

(a) Complete the angle column.

(3)

(b) Draw a pie chart to show the data.



[Question 2: 5 marks]

3) The pictogram shows the number of cars sold.

Monday	●●●◐
Tuesday	

Key: ● = 4 cars

(a) How many cars were sold on Monday?

.....

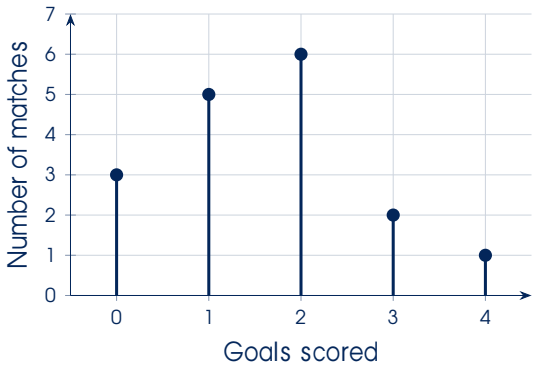
(1)

(b) 10 cars were sold on Tuesday. Complete the pictogram.

(1)

[Question 3: 2 marks]

4) The vertical line chart shows the goals scored in some matches.



(a) Write down the mode.

.....

(1)

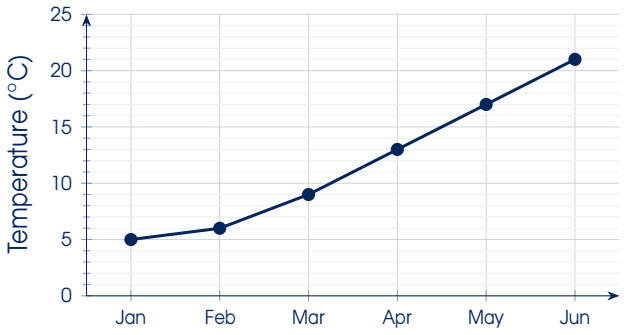
(b) How many matches were played?

.....

(1)

[Question 4: 2 marks]

5) The line graph shows the average temperature in a town.



(a) Which month was the warmest?

.....

(1)

(b) Describe the trend.

.....

(1)

(c) By how much did the temperature rise from March to April?

..... °C

(1)

[Question 5: 3 marks]

6) Which type of chart is best for showing

(a) how a whole is split into parts?

.....

(1)

(b) how something changes over time?

.....

(1)

[Question 6: 2 marks]

7) A sector of a pie chart has an angle of 72°. What fraction of the data does it represent?

.....

[Question 7: 1 marks]

8) A pie chart shows data for 90 people. One sector has an angle of 120°. How many people does it represent?

.....

[Question 8: 2 marks]

End of paper – 20 marks in total

Answers and brief mark scheme

Q	Answer	Method / notes
1	(a) 8 (b) 35 (c) Apple	B1 each.
2	(a) 108, 162, 90 (b) pie chart	(a) $360 \div 60 = 6°$ per person (M1); all three (A2, A1 for two). (b) Angles drawn within 2° (B1); labelled (B1).
3	(a) 14 (b) $2\frac{1}{2}$ circles	B1 each.
4	(a) 2 (b) 17	B1 each.
5	(a) June (b) It increases each month (c) 4	B1 each.
6	(a) pie chart (b) line graph	B1 each.
7	$\frac{1}{5}$	B1.
8	30	$\frac{120}{360} \times 90$ (M1); A1.