

KS3 – Presenting Data – Answers

Section A – Tables

Q1

Red = 6, Blue = 7, Green = 4, Yellow = 3. Tallies must match these frequencies.

Q2

a) 25

b) 12

c) 1 sibling

Q3

A suitable table has headings Travel method and Frequency: Walk 9, Bus 11, Car 6, Cycle 4.

Q4

a) 30

b) 7 tally marks

c) 12 tally marks

d) Tennis

Section B – Bar Charts

Q5

Correct bar chart: Apple 10, Banana 6, Orange 8, Grapes 4; correct title, labels, 0–12 scale in 2s, separate equal-width bars.

Q6

Correct bar chart: Mon 8, Tue 14, Wed 10, Thu 16, Fri 12; correct title, axis labels, 0–16 scale in 2s.

Q7

- a) Type of pet / Pet
- b) Frequency / Number of students
- c) 10 is sensible.
- d) The categories are discrete, not continuous.

Section C – Pie Charts

Q8

Maths = 120° , English = 90° , Science = 60° , Art = 90° .

Q9

Walk = 108° , Bus = 126° , Car = 72° , Cycle = 54° . Pie chart sectors, labels and title correct.

Q10

Football = 150° , Athletics = 90° , Swimming = 72° , Tennis = 48° . Pie chart sectors, labels and title correct.

Q11

- a) 5°
- b) 18 people
- c) 90°

Section D – Line Graphs

Q12

Points: (8 am,8), (10 am,11), (12 pm,15), (2 pm,18), (4 pm,16), (6 pm,12), joined in order; labels/scales/title correct.

Q13

Points: (1,5), (2,9), (3,13), (4,18), (5,22), (6,27), joined in order; labels/scales/title correct.

Q14

a) Time (minutes)

b) Distance from the start

c) A line graph shows how a quantity changes over continuous/ordered time.