WORKSHEET

Name: ..... Class: .....

Date: .....

MARK ____ / 26

Answer all questions. Show all your working — marks are awarded for method as well as the final answer.

1 In a survey of 60 learners, 15 chose soccer as their favourite sport. Calculate the size of the soccer sector in a pie chart of the results. (3)

2 Is 'What is my height?' a statistical question? Why? (2)

3 Define a population in statistics. (1)

4 Why do we use a sample instead of the whole population? (2)

5 You survey only your friends about school food. What is wrong? (2)

6 What is wrong with the options '0–10, 10–20, 20–30'? (2)

7 In a stem-and-leaf display, what value is stem 4 with leaf 7? (1)

stem	leaf
2	3 5
3	1 4 8
4	2 5 7
5	1

key: 2 | 3 means 23

8 Data: 12, 15, 21, 24, 28, 33. Write the stems. (2)

9 Tallies 𝍸 | 𝍸 | || represent what frequency? (1)

10 In a survey of 60 learners, 25 chose soccer. Calculate the angle of the soccer sector in a pie chart. (3)

11 A pie chart of 90 learners has sectors of $120°$, $100°$, $80°$ and x. Calculate x and the number of learners it represents. (3)

12 State TWO features a double bar graph must have. (2)

13 Why would a pie chart be the WRONG choice for data where learners could pick more than one sport? (2)

TOTAL: 26 marks

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