Functional Skills Level 1

Data & Graphs — Worksheet 3

1. A college survey asks 30 students how they travel to college. 12 walk, 10 travel by bus and 8 travel by car. How many students were surveyed?

2. Using the information in Question 1, what fraction of the students travel by bus? Give your answer in its simplest form.

3. A shop records the number of customers over five days: 42, 38, 55, 47 and 48. Find the total number of customers.

4. Using the data in Question 3, find the mean number of customers per day.

5. The temperatures over five days were 18°C, 21°C, 19°C, 24°C and 20°C. What was the highest temperature?

6. Using the temperatures in Question 5, what was the range?

7. A library records books borrowed on four days: Monday 64, Tuesday 58, Wednesday 72 and Thursday 61. Which day had the most books borrowed?

8. Using the information in Question 7, how many books were borrowed altogether?

9. A pictogram shows that each symbol represents 6 children. There are 5 symbols for children who chose football. How many children chose football?

10. A bar chart shows meals sold: Pasta 24, Curry 31, Salad 18 and Pizza 27. Which meal sold the second-highest number?

11. Using the meal sales in Question 10, how many more curries than salads were sold?

12. A survey of 50 people asks their favourite sport. Football 20, swimming 15, tennis 10 and athletics 5. What percentage chose swimming?

13. A line graph shows a cyclist travelled 8 km in Week 1, 11 km in Week 2, 14 km in Week 3 and 17 km in Week 4. How far did the cyclist travel altogether?

14. Using the data in Question 13, how many more kilometres were travelled in Week 4 than Week 1?

15. A shop records the number of items sold: Books 18, Magazines 15 and Newspapers 27. What is the total number of items sold?

16. Using the data in Question 15, what percentage of the items sold were newspapers? Give your answer to the nearest whole percent.

17. The scores in a test are 4, 6, 7, 6, 8, 6 and 5. What is the mode?

18. Using the test scores in Question 17, what is the median score?

19. A survey asks 80 people whether they prefer tea or coffee. 46 prefer tea. How many prefer coffee?

20. A pie chart represents 60 students. Two fifths of the students chose football. How many students chose football?