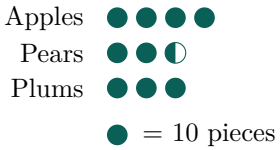
Pictograms, Bar Charts and Pie Charts

GCSE Mathematics • **Foundation Tier** • Grades 1–3 • Non-calculator

Name: _____ Class: _____ Total: _____ / 48

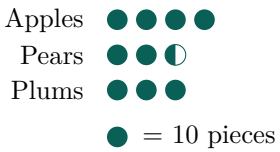
Show all your working. Marks are given for correct method as well as the final answer.

1. The pictogram shows fruit sold one morning. Work out how many apples were sold. **[1 mark]**



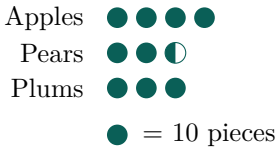
Answer: _____

2. Using the same pictogram, work out how many pears were sold. **[2 marks]**



Answer: _____

3. Using the same pictogram, work out the total fruit sold. **[2 marks]**

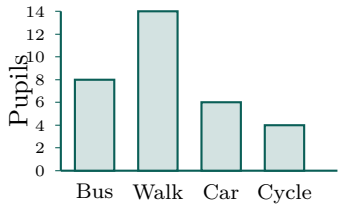


Answer: _____

4. 35 oranges were also sold. Work out how many symbols would be drawn, using the same key of 10. **[2 marks]**

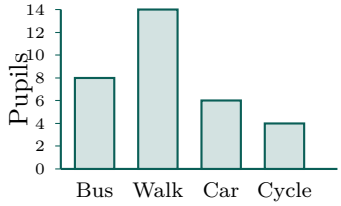
Answer: _____

5. The bar chart shows how pupils travel to school. Write down the most common method. **[1 mark]**



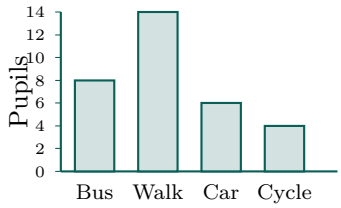
Answer: _____

6. Using the same chart, work out how many pupils cycle. **[1 mark]**



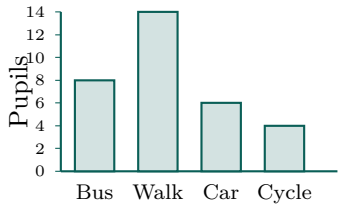
Answer: _____

7. Using the same chart, work out how many pupils were asked. **[2 marks]**



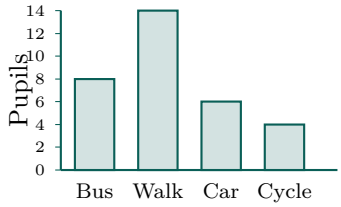
Answer: _____

8. Using the same chart, work out how many more pupils walk than take the car. **[2 marks]**



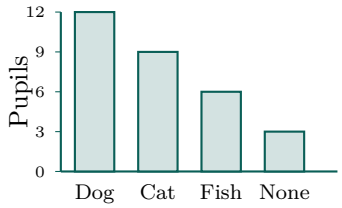
Answer: _____

9. Using the same chart, work out what fraction of pupils take the bus. Give your answer in its simplest form. **[3 marks]**



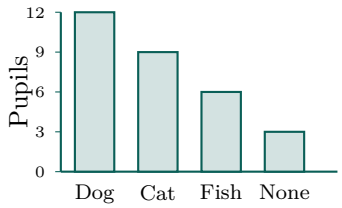
Answer: _____

10. The bar chart shows pets owned by a class. Work out how many pupils own a cat or a fish. **[2 marks]**



Answer: _____

11. Using the pets chart, work out the percentage of pupils who own a dog. **[3 marks]**



Answer: _____

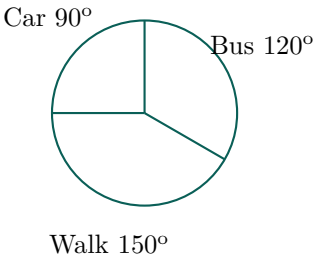
12. 60 people were asked their favourite drink. Work out the angle for one person on a pie chart. **[2 marks]**

Answer: _____

13. In that survey 25 chose tea. Work out the angle of the tea sector. **[2 marks]**

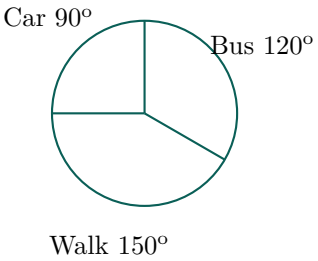
Answer: _____

14. The pie chart shows how 72 pupils travel. Work out how many walk. **[3 marks]**



Answer: _____

15. Using the same pie chart, work out how many take the bus. **[2 marks]**



Answer: _____

16. A pie chart sector has an angle of 45°. Work out what fraction of the total it represents, in its simplest form. **[2 marks]**

Answer: _____

17. Explain why a pie chart cannot show how many people were asked. **[2 marks]**

Answer: _____

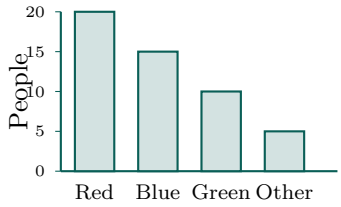
18. 40 people chose a holiday destination: 16 Spain, 14 France, 10 Italy.

(a) Work out the angle for one person. **[2 marks]**

(b) Work out the angle of the Spain sector. **[2 marks]**

Answer: _____

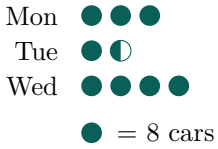
19. A bar chart and a pie chart both show the same survey of 50 people.



(a) Work out the angle of the Blue sector on the pie chart. **[3 marks]**

(b) Write down one thing the bar chart shows more clearly than the pie chart. **[2 marks]**

20. A pictogram uses one symbol for 8 cars.



(a) Work out how many cars passed on Tuesday. **[2 marks]**

(b) Work out the total for the three days. **[3 marks]**

Answer: _____

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