

Year 4 Pictograms, Bar Charts and Time Graphs: check-up and SATs-style questions: answers

Year 4 - Pictograms, Bar Charts and Time Graphs - Test yourself

Answers. Final answers to the worksheet questions. Full step-by-step solutions for every question are free at websink.site/ks2-sats/maths/year-4/ch11-statistics/check-up-and-sats-style-questions/

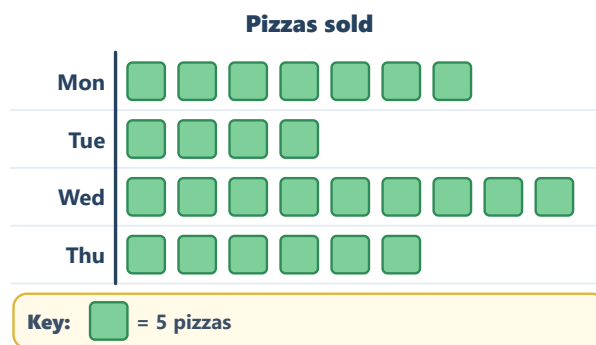
Exercise 11Z Check-up (non-calculator) Non-calculator

- 1 How many tally marks are there?



Answer: 18

- 2 The key says 1 square = 5 pizzas. How many pizzas were sold on Monday?

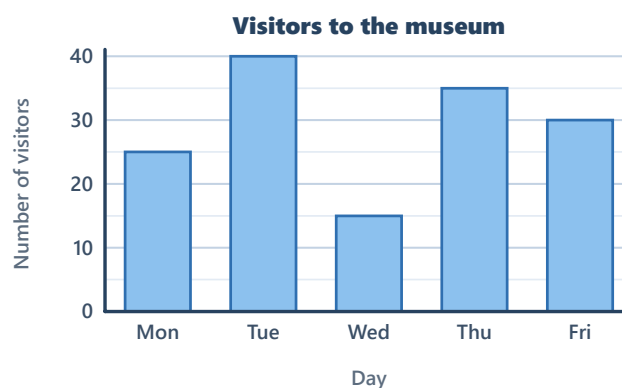


Answer: 35

- 3 A pictogram uses 1 symbol for 10 children. How many symbols are needed to show 30 children?

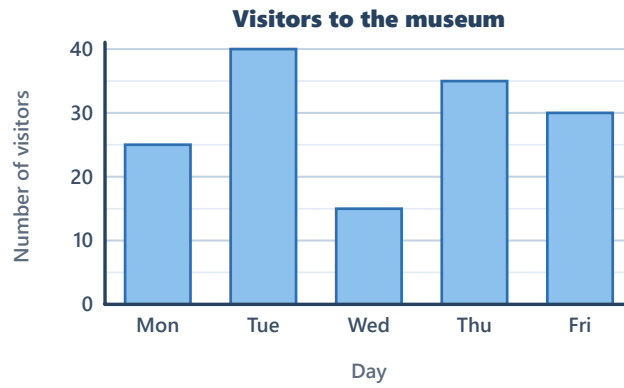
Answer: 3 symbols

- 4 How many visitors came to the museum on Thursday?



Answer: 35

- 5 How many more visitors came on Tuesday than on Wednesday?



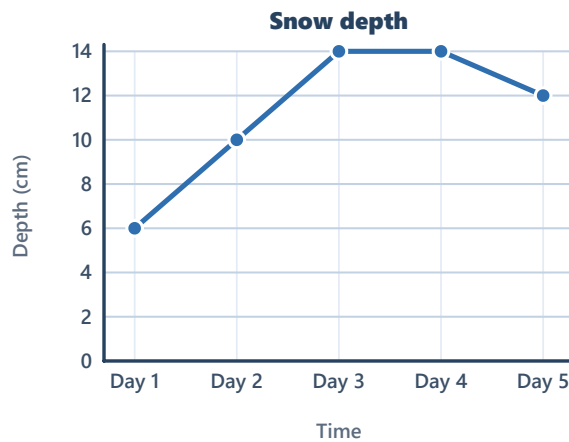
Answer: 25

6 How many girls chose milk?

Drink	Tea	Juice	Milk
Boys	6	9	8
Girls	7	5	10

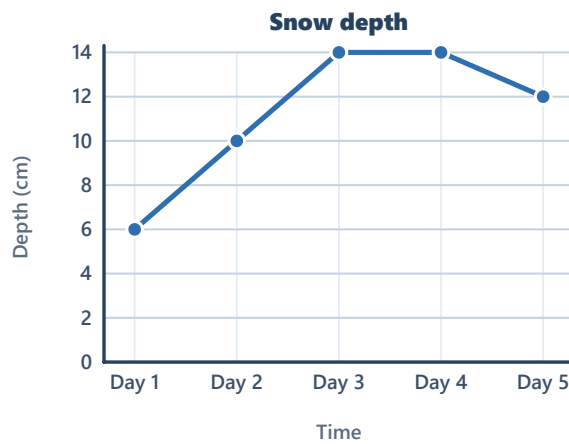
Answer: 10

7 The time graph shows the depth of snow. How deep was the snow on Day 3?



Answer: 14

8 On which day was the snow 10 cm deep?



Answer: Day 2

9 Is the weight of a baby **discrete** or **continuous** data?

Answer: Continuous

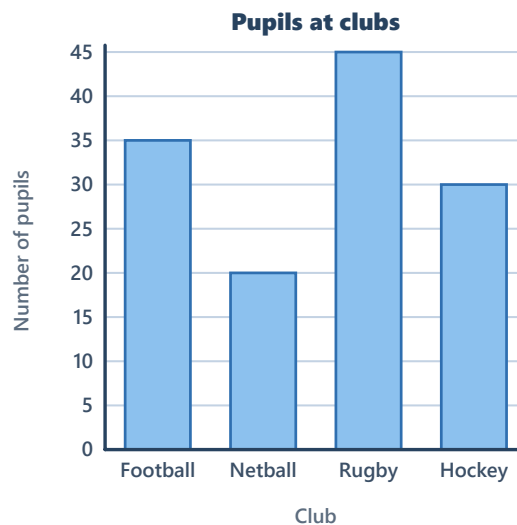
10 Kofi measures his plant every week for ten weeks. Which chart should he use: a bar chart, a pictogram or a time graph? Explain.

Answer: A time graph

Exercise 11X SATs-style questions

Non-calculator

1 The bar chart shows the number of pupils at four sports clubs. How many pupils go to rugby club? [1 mark]



Answer: 45

2 In the pictogram, a whole heart is 10 pets and half a heart is 5 pets. How many cats are there? [1 mark]



Answer: 25

3 Ali counted cars and made these tally marks. How many cars did he count?

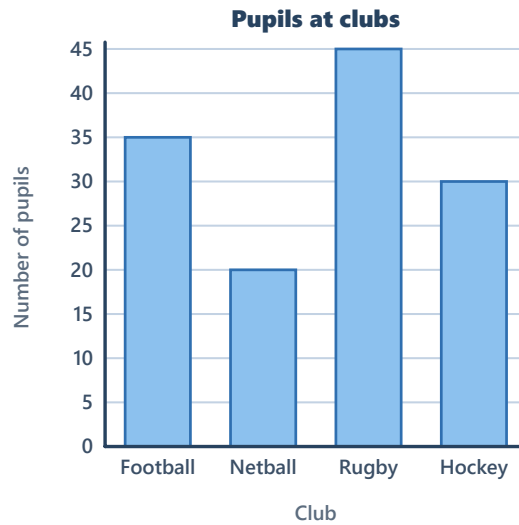
||||| ||||| ||||| ||||| ||||| |||

Answer: 23

[1 mark]

4 How many more pupils go to rugby than to hockey? Use the bar chart about clubs.

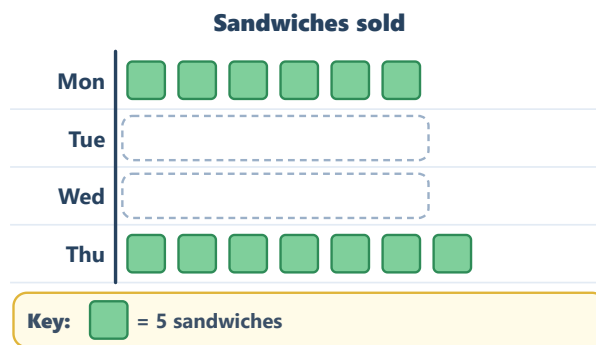
[2 marks]



Answer: 15

- 5 The table shows how many sandwiches were sold. Complete the pictogram for Tuesday and Wednesday. 1 square = 5 sandwiches. Write how many symbols you need for each day. [2 marks]

Day	Mon	Tue	Wed	Thu
Sandwiches	30	45	20	35



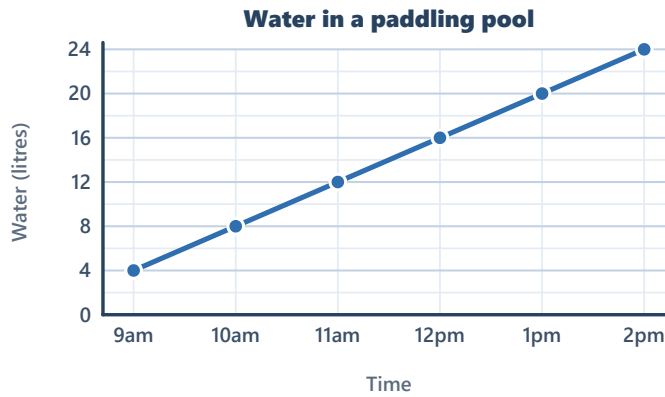
Answer: Tue: 9 symbols; Wed: 4 symbols

- 6 Some numbers in the table are missing. 30 Year 4 children chose a club. How many Year 4 children chose art? [2 marks]

	Chess	Art	Choir	Total
Year 3	8	12	10	30
Year 4	9	<u>?</u>	14	30

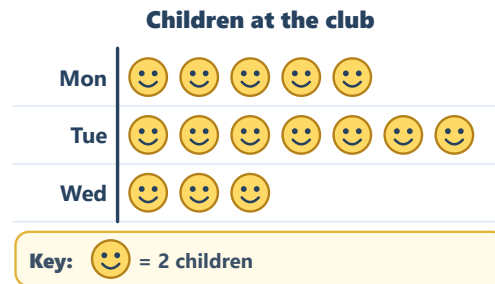
Answer: 7

- 7 The graph shows the water in a paddling pool. How many more litres were in the pool at 1pm than at 10am? [2 marks]



Answer: 12

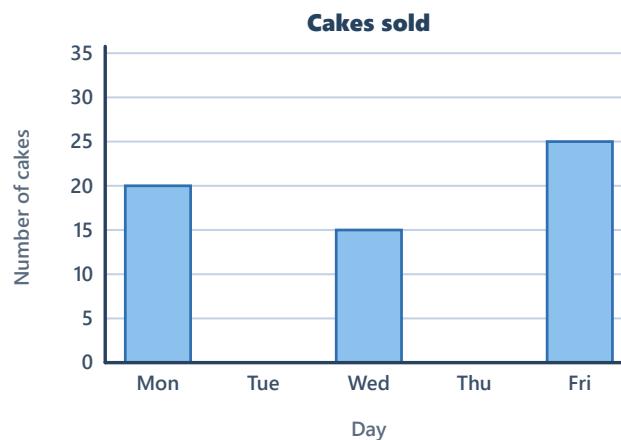
- 8 Amira says, "Tuesday has twice as many children as Monday." Is she right? Show how you know. Use the pictogram. [2 marks]



Answer: No. Tuesday is 14. Twice Monday is 20

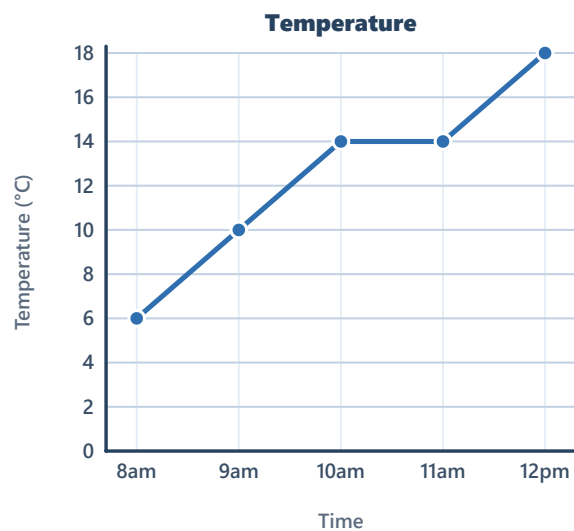
- 9 The table shows the number of cakes sold each day. (a) Complete the bar chart: draw the bars for Tuesday and Thursday. (b) How many cakes were sold altogether? [3 marks]

Day	Mon	Tue	Wed	Thu	Fri
Cakes	20	35	15	30	25



Answer: (b) 125

- 10 The graph shows the temperature in the classroom. (a) What was the temperature at 10am? (b) Between which times did the temperature stay the same? (c) How many degrees warmer was it at 12pm than at 8am? (d) Is temperature discrete or continuous data? [3 marks]



Answer: (a) 14°C (b) 10am to 11am (c) 12 (d) continuous