

Year 4: Drawing bar charts and choosing a scale: worksheet

Year 4 - Pictograms, Bar Charts and Time Graphs - Lesson 11.4

Name: _____

Date: _____

Score: _____

12 questions. Write your answers in the spaces. Answers and step-by-step help are free at websink.site/ks2-sats/maths/year-4/ch11-statistics/drawing-bar-charts-and-choosing-a-scale/

Exercise 11D Drawing bar charts and choosing a scale

Non-calculator

1 Choose a good scale for each set of numbers. Write what the scale goes up in, and what each gap is worth.

- (a) 7, 4, 9, 6

Answer: _____
- (b) 30, 55, 20, 45

Answer: _____
- (c) 150, 100, 200, 250

Answer: _____
- (d) 12, 6, 10, 8

Answer: _____

2 The scale on a chart has gaps that are worth 5. How many gaps high is the bar for each number?

- (a) 10

Answer: _____
- (b) 25

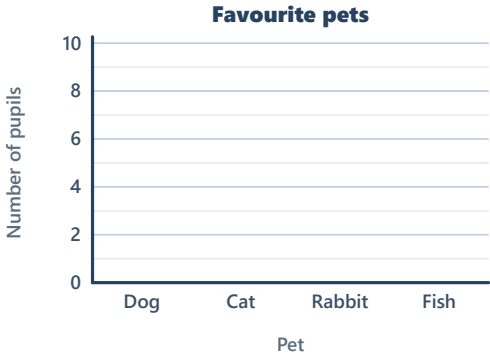
Answer: _____
- (c) 40

Answer: _____
- (d) 35

Answer: _____

3 Draw a bar chart for the pets table. Use the axes below. The scale goes up in 2s and each gap is worth 1.

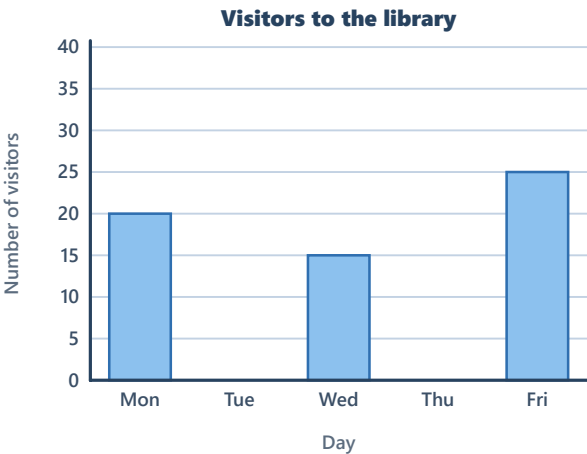
Pet	Dog	Cat	Rabbit	Fish
Pupils	6	9	4	7



Answer:

4 Complete the bar chart for the library. Draw the bars for Tuesday and Thursday.

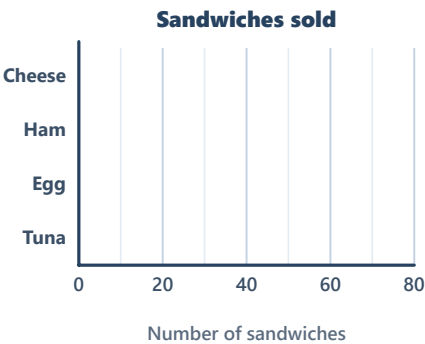
Day	Mon	Tue	Wed	Thu	Fri
Visitors	20	35	15	40	25



Answer:

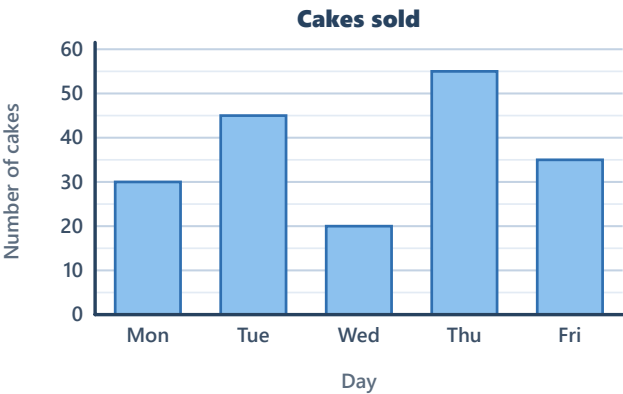
5 Draw a horizontal bar chart for the table. The labels go up in 20s and each gap is worth 10.

Sandwich	Cheese	Ham	Egg	Tuna
Sold	40	70	30	60



Answer:

6 Complete the table using the bar chart. Write the number of cakes sold each day.



(a) Mon

Answer:

(b) Tue

Answer:

(c) Wed

Answer:

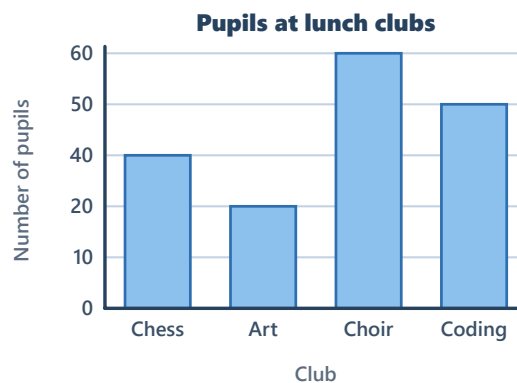
(d) Thu

Answer:

(e) Fri

Answer:

- 7 Mei drew this bar chart of pupils at lunch clubs. She has made a mistake with the scale. What is the mistake? Write the labels the scale should have.



Answer:

- 8 Noah drew a bar chart from the park table. Which bar is wrong, and what should it be?

Day	Mon	Tue	Wed	Thu	Fri
Visitors	25	40	30	15	35



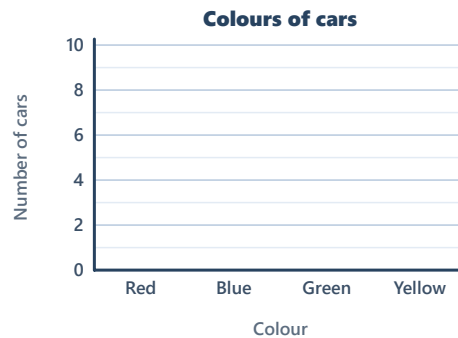
Answer:

- 9 Amira has data from 40 to 90. She says, "I will use a scale that goes up in 1s." Is this a good idea? Explain, and suggest a better scale.

Answer:

- 10 Jack made a tally chart of the colours of cars. Count the tally marks, then draw a bar chart. Use a scale that goes up in 2s with each gap worth 1.

Colour	Tally
Red	
Blue	
Green	
Yellow	



Answer:

- 11** Tom draws a bar chart where each gap is worth 20. Which of these numbers can he show **exactly** on a gridline?

(a) 60

Answer:

(b) 130

Answer:

(c) 90

Answer:

(d) 140

Answer:

- 12** Zainab says, "When I draw a bar chart I can make the bars as wide or as narrow as I like, as long as they are all different." Do you agree? Explain.

Answer: