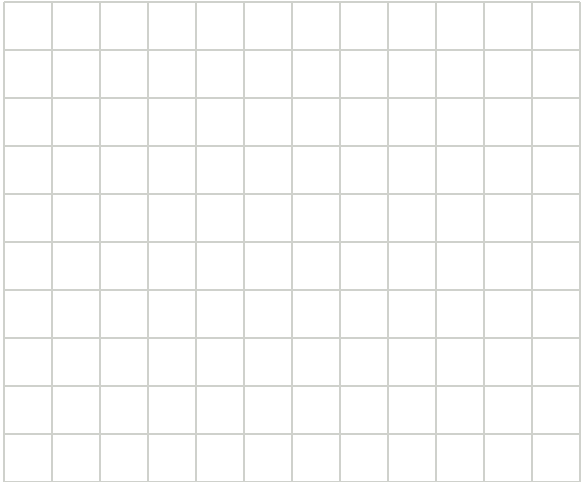


Choose a scale and draw a bar graph

NAME	DATE	SCORE
		/ 10

- 1 Ivy will make a bar graph of how many children chose each sport: 20, 25, 35 and 10. Which scale is best for the graph?

☐ 0, 1, 2, 3, ... ☐ 0, 100, 200, 300, ... ☐ 0, 50, 100, 150, ... ☐ 0, 5, 10, 15, ...
- 2 Four teams scored points. Team A: 25, Team B: 40, Team C: 35 and Team D: 20. Number the side of the grid below with a scale that fits every bar. Draw and label a bar for each team.



- 3 Noah will make a bar graph of how many children chose each sport: 35, 15, 40 and 45. Which scale is best for the graph?

☐ 0, 1, 2, 3, ... ☐ 0, 100, 200, 300, ... ☐ 0, 5, 10, 15, ... ☐ 0, 50, 100, 150, ...

4

Four classes read books. Class A: 90, Class B: 50, Class C: 20 and Class D: 70. Number the side of the grid below with a scale that fits every bar. Draw and label a bar for each class.

5

Dev will make a bar graph of how many books each class read: 30, 50, 80 and 60. Which scale is best for the graph?

☐ 0, 10, 20, 30, ...
 ☐ 0, 1, 2, 3, ...
 ☐ 0, 100, 200, 300, ...
 ☐ 0, 1000, 2000, 3000, ...

6

Children chose a pet. Cat: 45, Dog: 50, Fish: 30 and Bird: 35. Number the side of the grid below with a scale that fits every bar. Draw and label a bar for each pet.

7

Ben will make a bar graph of how many points each team scored: 15, 35, 45 and 40. Which scale is best for the graph?

☐ 0, 5, 10, 15, ...
 ☐ 0, 50, 100, 150, ...
 ☐ 0, 1, 2, 3, ...
 ☐ 0, 100, 200, 300, ...

8

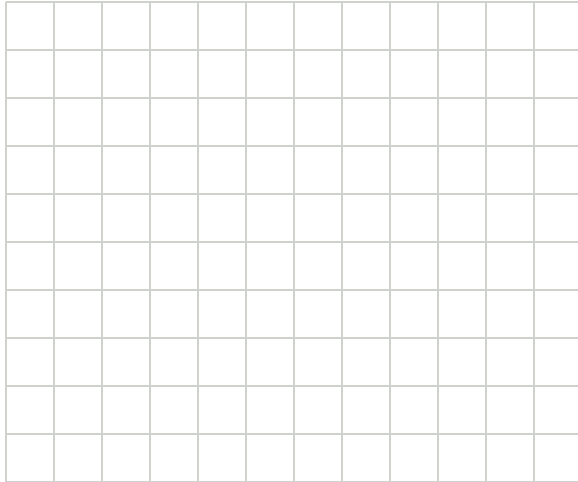
Four classes collected cans. Class A: 20, Class B: 60, Class C: 50 and Class D: 40. Number the side of the grid below with a scale that fits every bar. Draw and label a bar for each class.

9

Ivy will make a bar graph of how many cans each class collected: 70, 30, 20 and 80. Which scale is best for the graph?

☐ 0, 10, 20, 30, ...
 ☐ 0, 1, 2, 3, ...
 ☐ 0, 1000, 2000, 3000, ...
 ☐ 0, 100, 200, 300, ...

- 10
- Four classes collected cans. Class A: 80, Class B: 50, Class C: 60 and Class D: 40. Number the side of the grid below with a scale that fits every bar. Draw and label a bar for each class.



Choose a scale and draw a bar graph

1 0, 5, 10, 15, ...

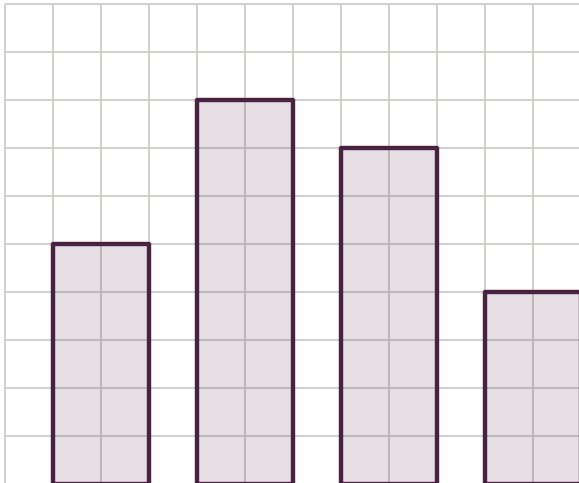
5 0, 10, 20, 30, ...

9 0, 10, 20, 30, ...

3 0, 5, 10, 15, ...

7 0, 5, 10, 15, ...

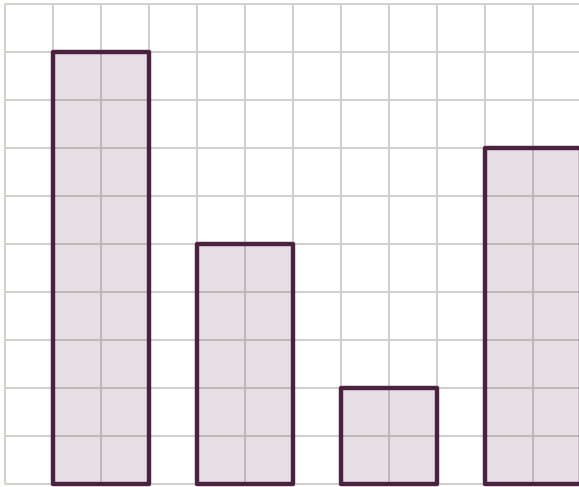
2 A drawing



What counts as right: The side numbered from 0 in equal steps, one step for each grid line, with a step that fits 40 on the grid: 5 for each square fits best (40 is 8 squares up), and 10 for each square also counts if every bar is drawn to its value. Four bars of the same width, with gaps between them, reaching 25, 40, 35 and 20, labelled Team A, Team B, Team C and Team D. Steps that are not equal, or a scale on which a bar does not fit, does not count.

4

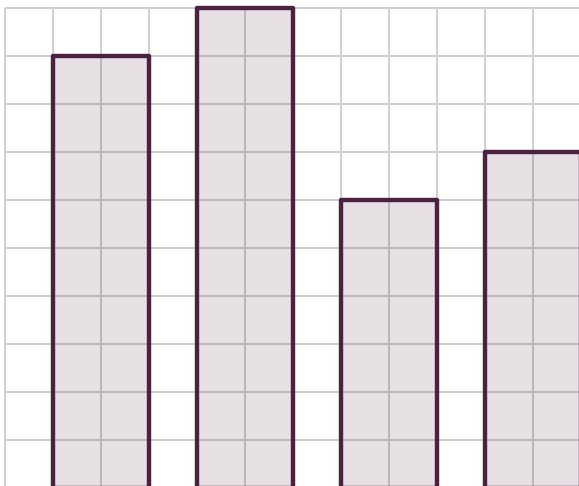
A drawing



What counts as right: The side numbered from 0 in equal steps, one step for each grid line, with a step that fits 90 on the grid: 10 for each square fits best (90 is 9 squares up), and 20 for each square also counts if every bar is drawn to its value. Four bars of the same width, with gaps between them, reaching 90, 50, 20 and 70, labelled Class A, Class B, Class C and Class D. Steps that are not equal, or a scale on which a bar does not fit, does not count.

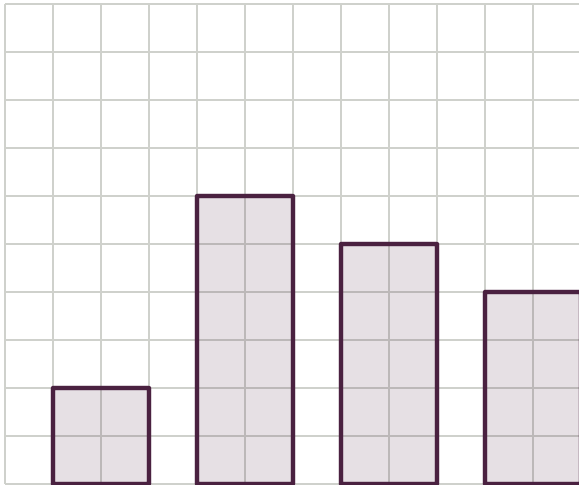
6

A drawing



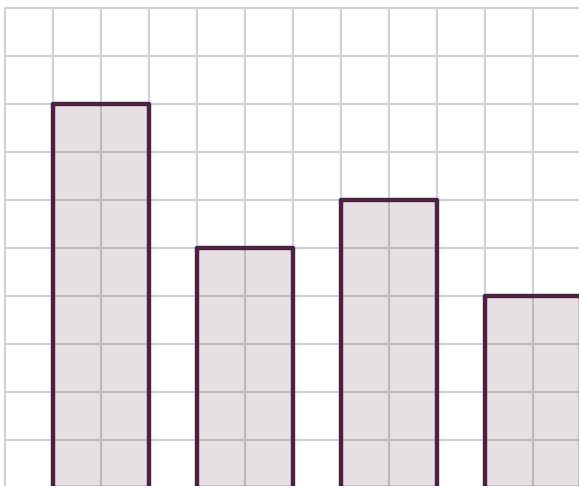
What counts as right: The side numbered from 0 in equal steps, one step for each grid line, with a step that fits 50 on the grid: 5 for each square fits best (50 is 10 squares up), and 10 for each square also counts if every bar is drawn to its value. Four bars of the same width, with gaps between them, reaching 45, 50, 30 and 35, labelled Cat, Dog, Fish and Bird. Steps that are not equal, or a scale on which a bar does not fit, does not count.

8 A drawing



What counts as right: The side numbered from 0 in equal steps, one step for each grid line, with a step that fits 60 on the grid: 10 for each square fits best (60 is 6 squares up), and 20 for each square also counts if every bar is drawn to its value. Four bars of the same width, with gaps between them, reaching 20, 60, 50 and 40, labelled Class A, Class B, Class C and Class D. Steps that are not equal, or a scale on which a bar does not fit, does not count.

10 A drawing



What counts as right: The side numbered from 0 in equal steps, one step for each grid line, with a step that fits 80 on the grid: 10 for each square fits best (80 is 8 squares up), and 20 for each square also counts if every bar is drawn to its value. Four bars of the same width, with gaps between them, reaching 80, 50, 60 and 40, labelled Class A, Class B, Class C and Class D. Steps that are not equal, or a scale on which a bar does not fit, does not count.