

Delivery notes

Main activity: Football scores bar charts

15–20 minutes

Introduction:

Pupils will practise drawing bar charts with **Football scores activity sheets** which are based on stats from football matches.

Learning outcomes:

Pupils will be able to:

- explain why charts are useful
- interpret and present data using bar charts
- solve comparison, sum and difference problems using information presented in bar charts.

Resources required:

- Pen/ pencil
- Ruler
- Coloured pencils (optional)

Downloads:

- **Football scores activity sheets**
(differentiated levels 1–3)
- **Handling data in football film**

Delivery notes:

1. Recap reading bar charts and the key parts of a bar chart: axes, labels, scale, bar labels and title. Watch the film and go through the checklist for constructing a bar chart:

Checklist:

- I have drawn my bars with a ruler.
- I have labelled my axes.
- I have labelled the bars.
- I have written the scale on the vertical axis.
- I have given my chart a title.

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2. Give out the **Football scores activity sheets** for pupils to complete. Differentiated worksheets are provided to match your assessment of pupils' prior learning of reading bar charts. In Football scores level 1, pupils are given four bar charts to construct, and the bar chart template is provided. In the other activity sheets (levels 2 and 3), pupils have to synthesise a match report to work out the numbers to use in the bar charts. Additionally in the level 2 activity sheet, pupils have to work out a non-unitary scale (2s) to accommodate the bar frequency. In the level 3 activity sheet, the numbers are larger still, calling for a scale of 3s.
3. Bring pupils' attention to the bar chart checklist, which they can use as success criteria.
4. Pupils who finish an easier activity sheet quickly can move on to non-unitary scales, building confidence as they go.
5. Pupils can colour in the bars.

Glossary of football terms:

- **Clearances** – when a player kicks the ball away from the goal they are defending.
- **Goals** – the number of shots that go in and are recorded as the final score.
- **Shots** – the number of shots attempted, whether scored, on target and saved, or struck wide of the goal.
- **Shots on target** – the number of shots attempted and heading directly at the goal, whether they went in or were saved.
- **Tackles** – when a player takes a ball off a player from the other team.

Delivery notes

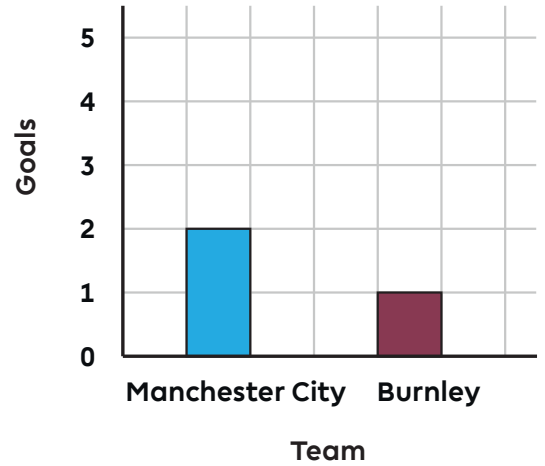
Main activity: Football scores bar charts

Answers to Football scores activity sheet level 1

1.

Manchester City	2
Burnley	1

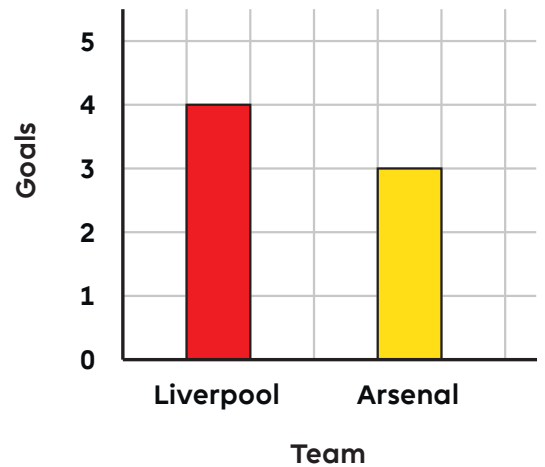
Bar chart to show goals scored by teams



2.

Liverpool	4
Arsenal	3

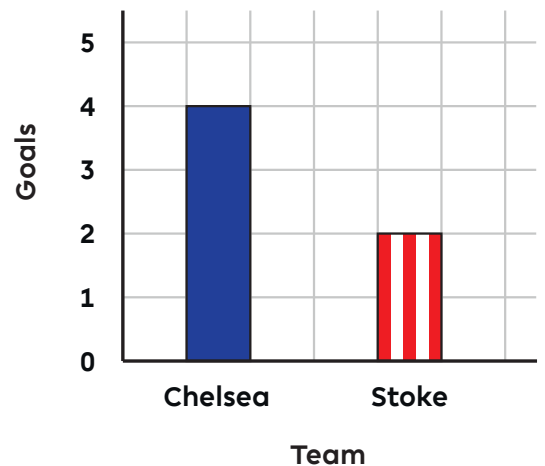
Bar chart to show goals scored by teams



3.

Chelsea	4
Stoke	2

Bar chart to show goals scored by teams



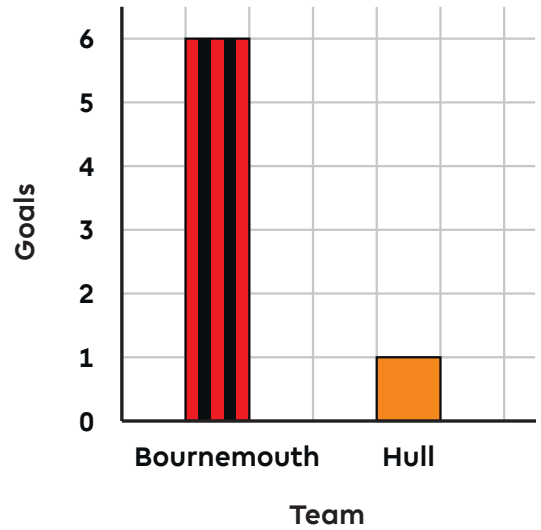
Delivery notes

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4.

Bournemouth	6
Hull	1

Bar chart to show goals scored by teams



5. Which teams won their matches? Manchester City, Liverpool, Chelsea, Bournemouth

6. Which team scored the most goals? Bournemouth

7. Which match had the biggest difference in goals? Bournemouth v Hull

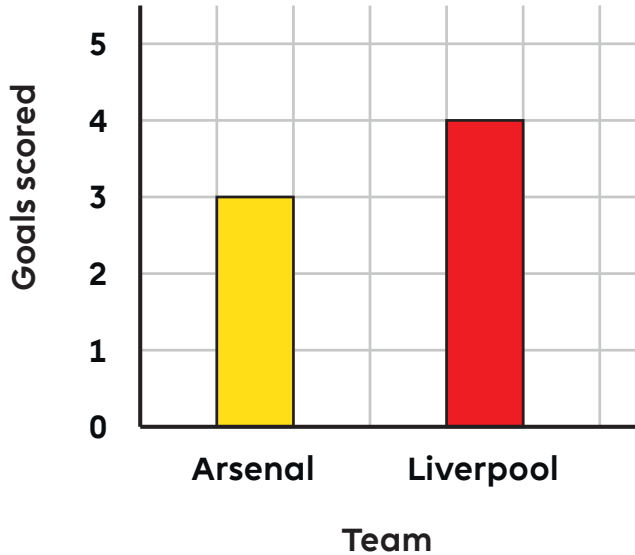
Answers to Football scores activity sheet level 2

	Arsenal	Liverpool
Goals	3	4
Shots on target	5	7
Shots	9	16

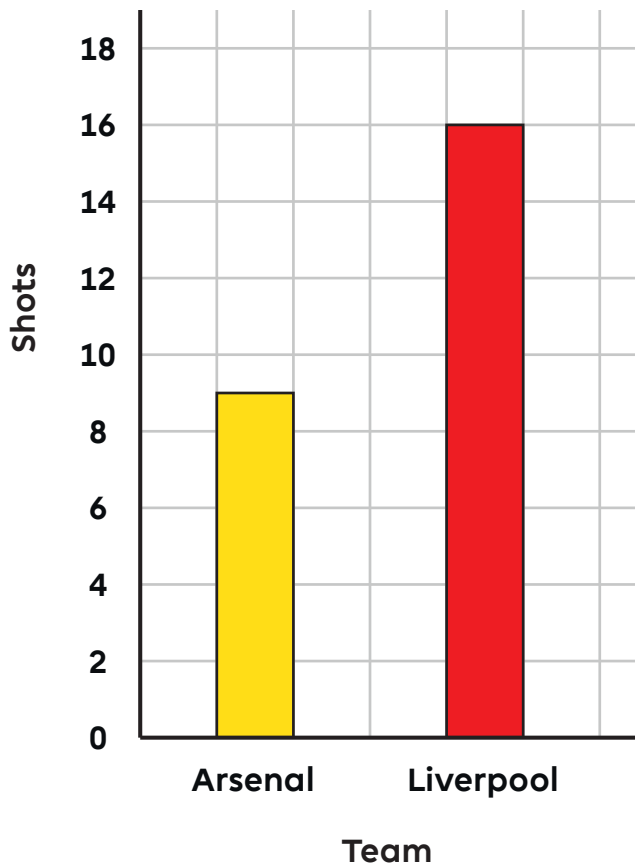
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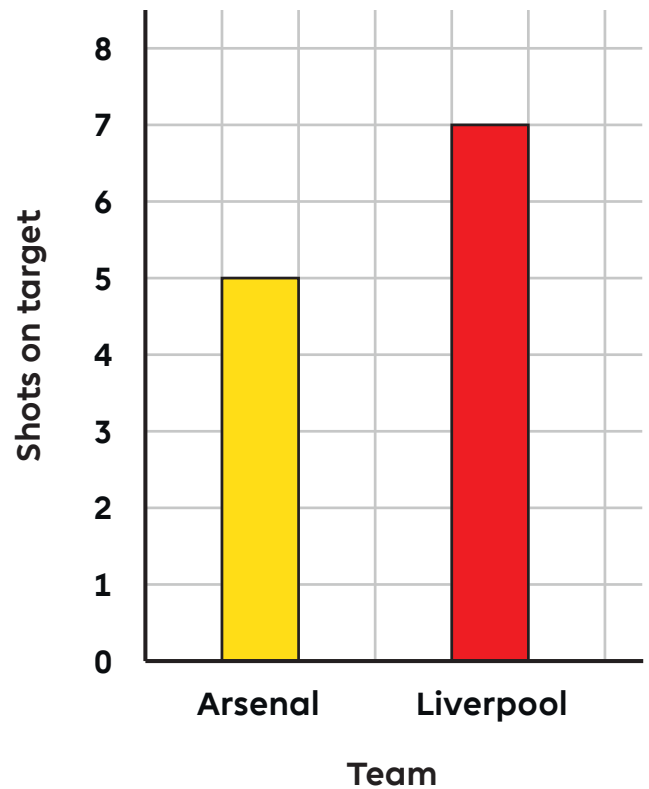
1. Bar chart to show goals scored



2. Bar chart to show shots



3. Bar chart to show shots on target



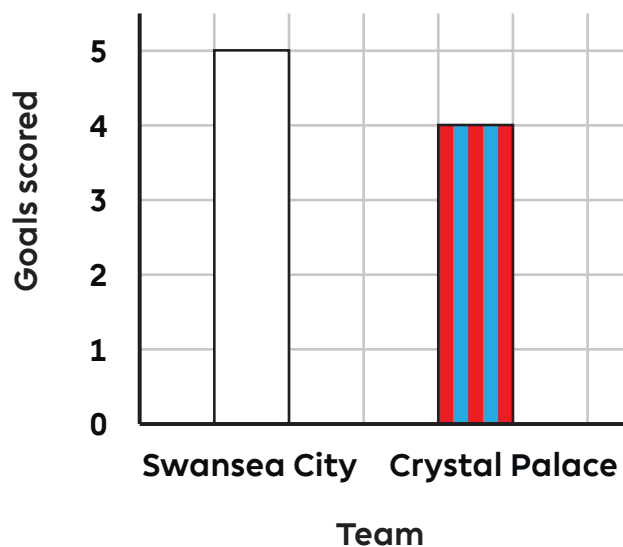
Delivery notes

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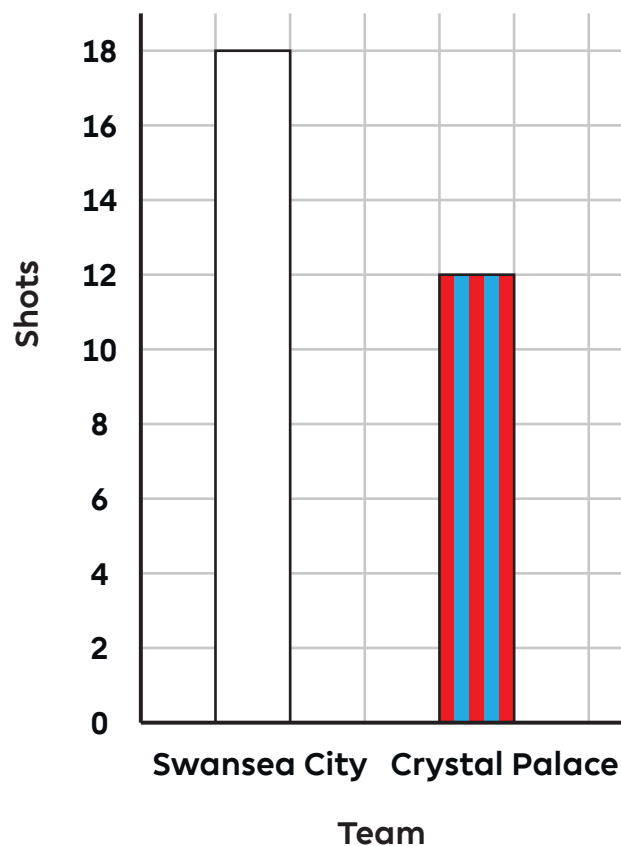
Answers to Football scores activity sheet level 3

	Swansea City	Crystal Palace
Goals	5	4
Shots	18	12
Shots on target	9	4
Tackles	18	15
Clearances	33	35

1. Bar chart to show goals scored



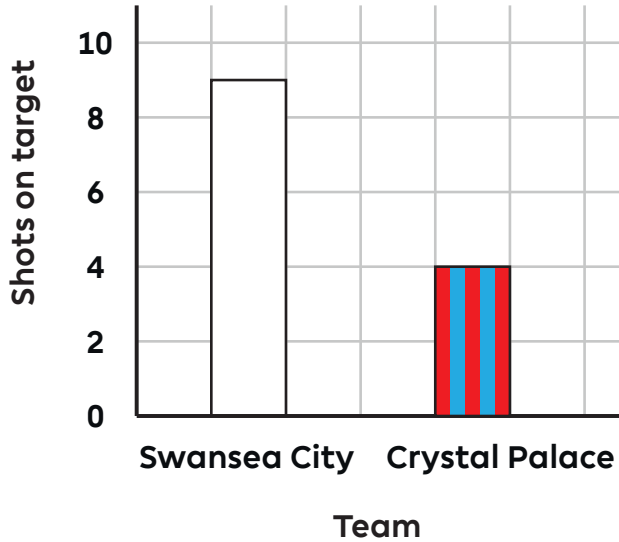
2. Bar chart to show shots



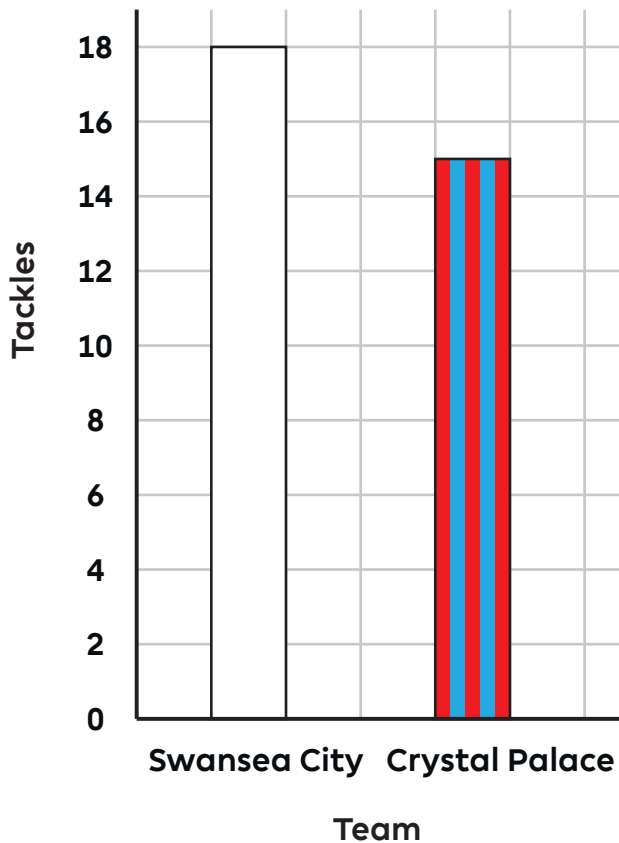
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3. Bar chart to show shots on target



4. Bar chart to show tackles



5. Bar chart to show clearances

