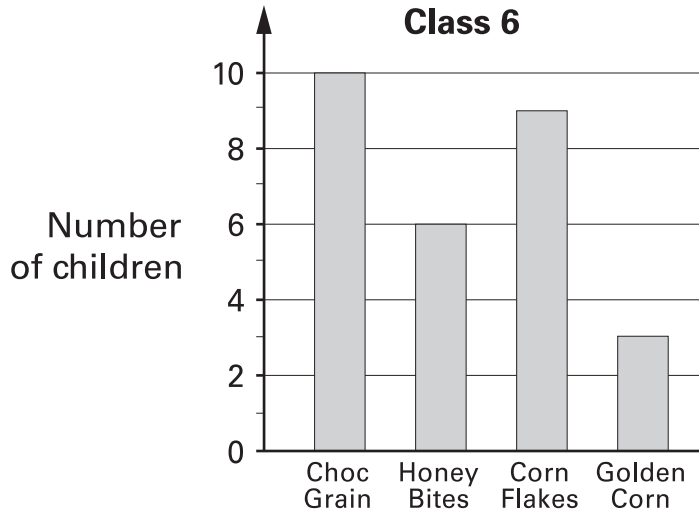# method maths

BOOSTER WORKBOOK

Statistics S2a

Solve comparison and difference problems using bar charts

1 Tom does a survey of children's favourite breakfast cereals.
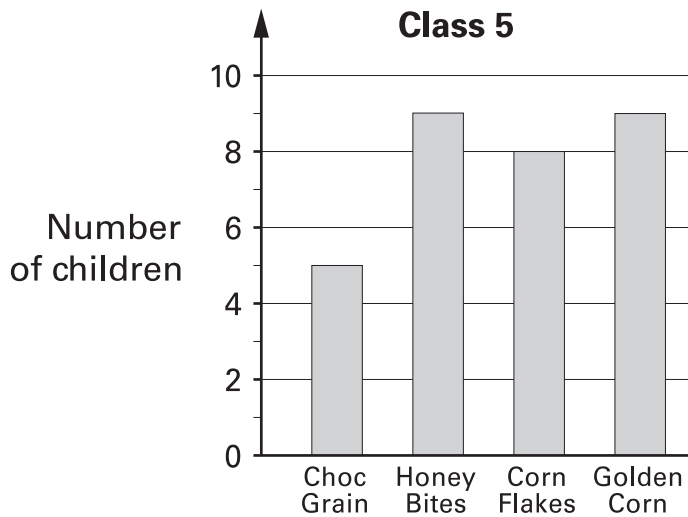
These are the results for Class 6

Class 6

Number of children

| 10 |
| 8 |
| 6 |
| 4 |
| 2 |
| 0 |

Choc Grain | Honey Bites | Corn Flakes | Golden Corn

How many **more** children in Class 6 prefer **Choc Grain** than **Golden Corn**?

1 mark

These are the results for Class 5

Class 5

Number of children

| 10 |
| 8 |
| 6 |
| 4 |
| 2 |
| 0 |

Choc Grain | Honey Bites | Corn Flakes | Golden Corn

How many children in **both** classes like **Honey Bites** best?

1 mark

2 Robbie collected information about the colours of some bikes.

Here are his results.

Colour	Number of bikes
green	4
red	7
blue	12
pink	3

This bar graph shows the information from the table.

Fill in **all** the missing labels.

Number
of bikes

0

Colour
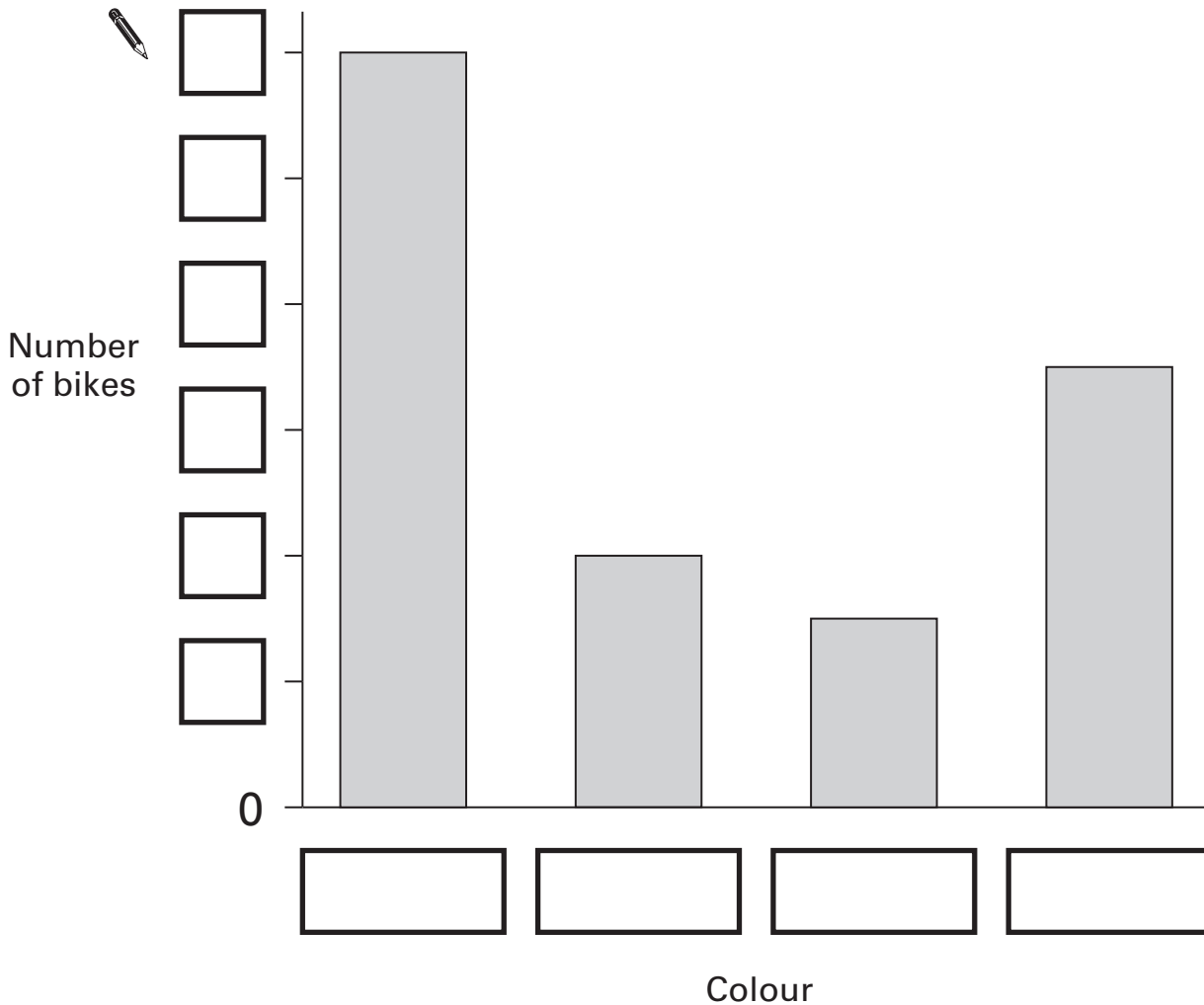
1 mark

1 mark

3 Class 6 did a survey of their favourite types of story book.

Here are their results.

Number of children

10

8

6

4

2

0

animal   humour   adventure   fantasy

Type of book
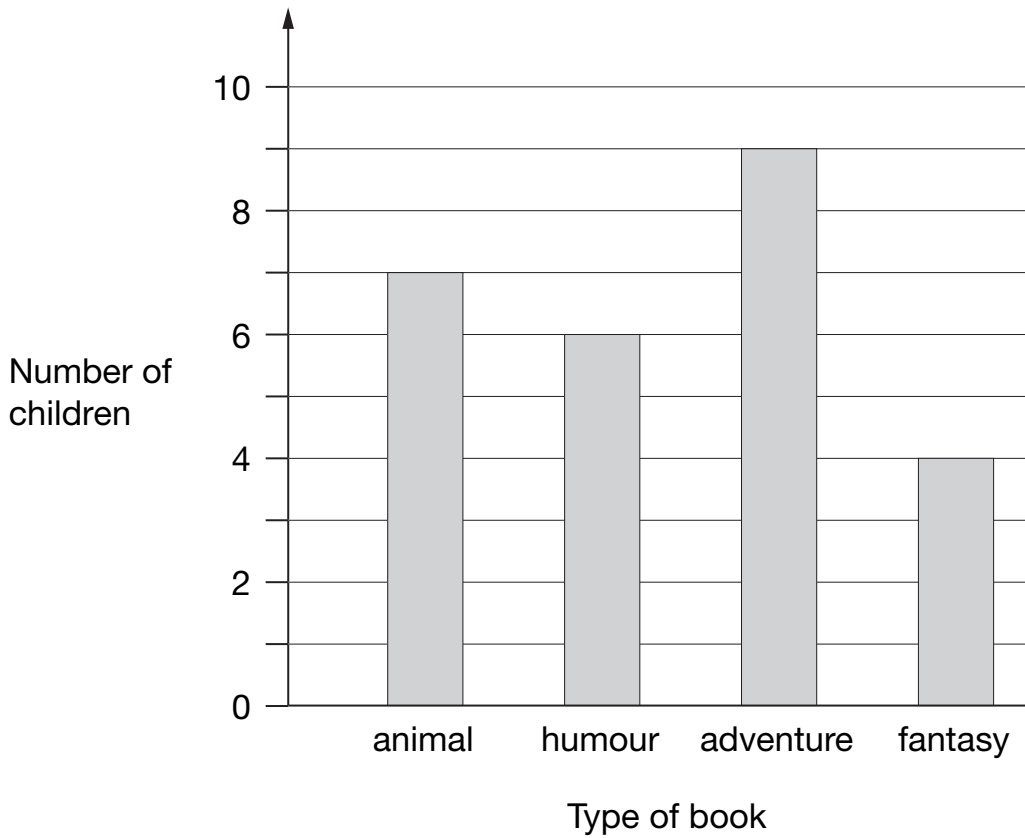
How many more children chose **adventure** books than **fantasy** books?

✏️

1 mark

Five girls chose **animal** books.
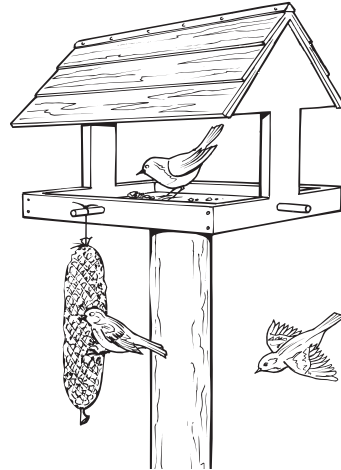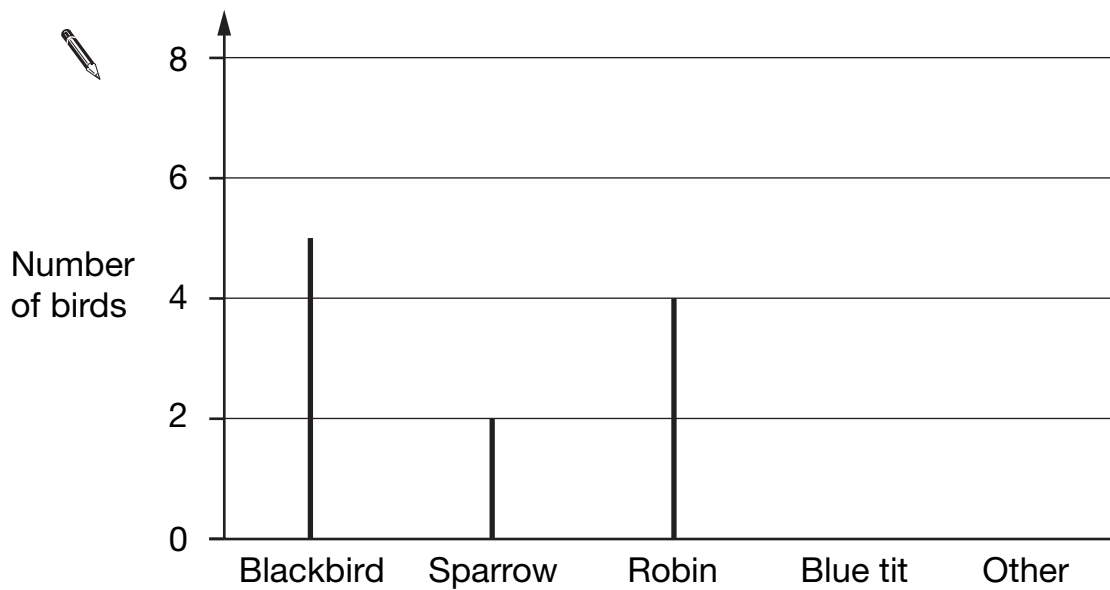
How many **boys** chose animal books?

✏️

1 mark

4 Rosie collects data about birds visiting a bird table.

Here are her results.

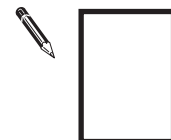| Blackbird | \|\|\|\| |
Sparrow	||
Robin	||||
Blue tit	|||
Other	|||| |

Draw **two** more lines to complete the graph.
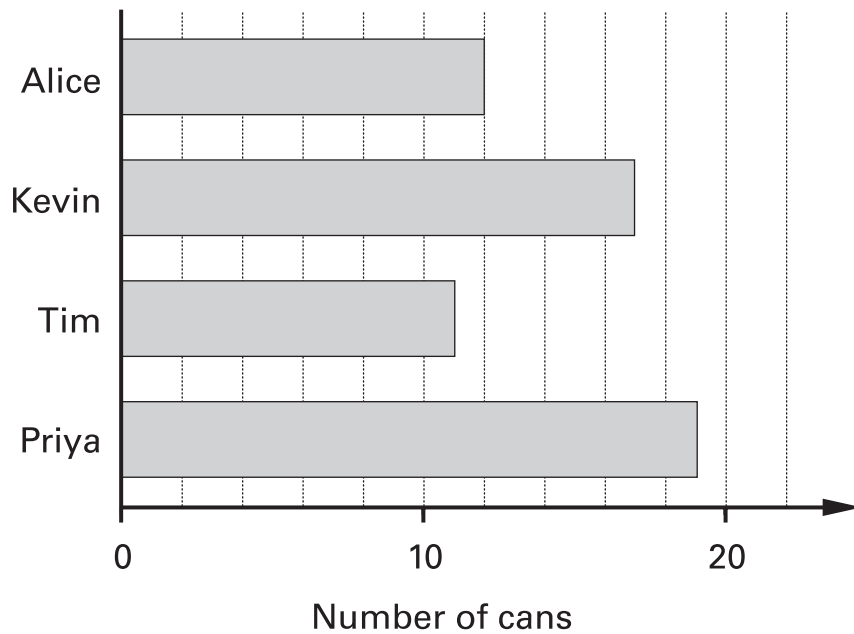

Rosie saw **20 birds** altogether.

What **fraction** of the birds were blackbirds?

1 mark

5 Some children collect cans for recycling.

Here is a chart of how many cans they collect in the first week.

Number of cans

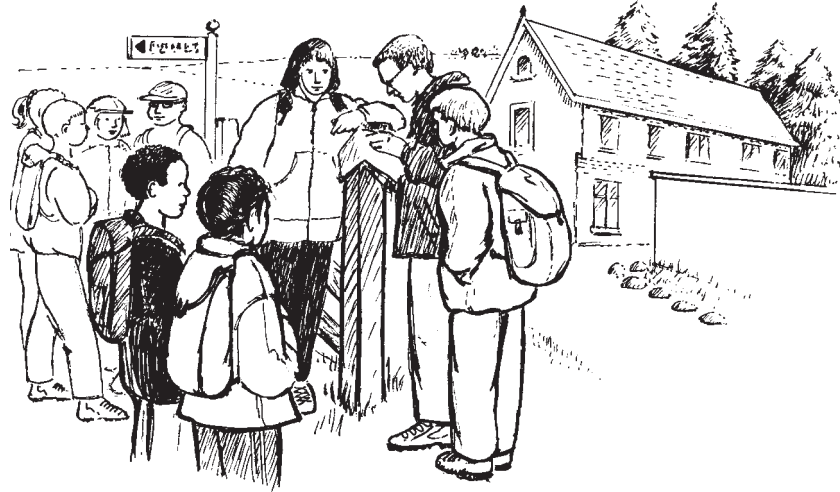How many cans has Kevin collected?

✏️

1 mark

Alice's **target** is to collect **30** cans.

How many **more** cans does Alice need to reach her target?

✏️

1 mark

6

This table shows the numbers of children who went walking, sailing or climbing at an outdoor centre.

	May	June	July
walking	25	80	75
sailing	15	42	50
climbing	18	27	23

How many children went **sailing** in **May**, **June and July** altogether?

1 mark

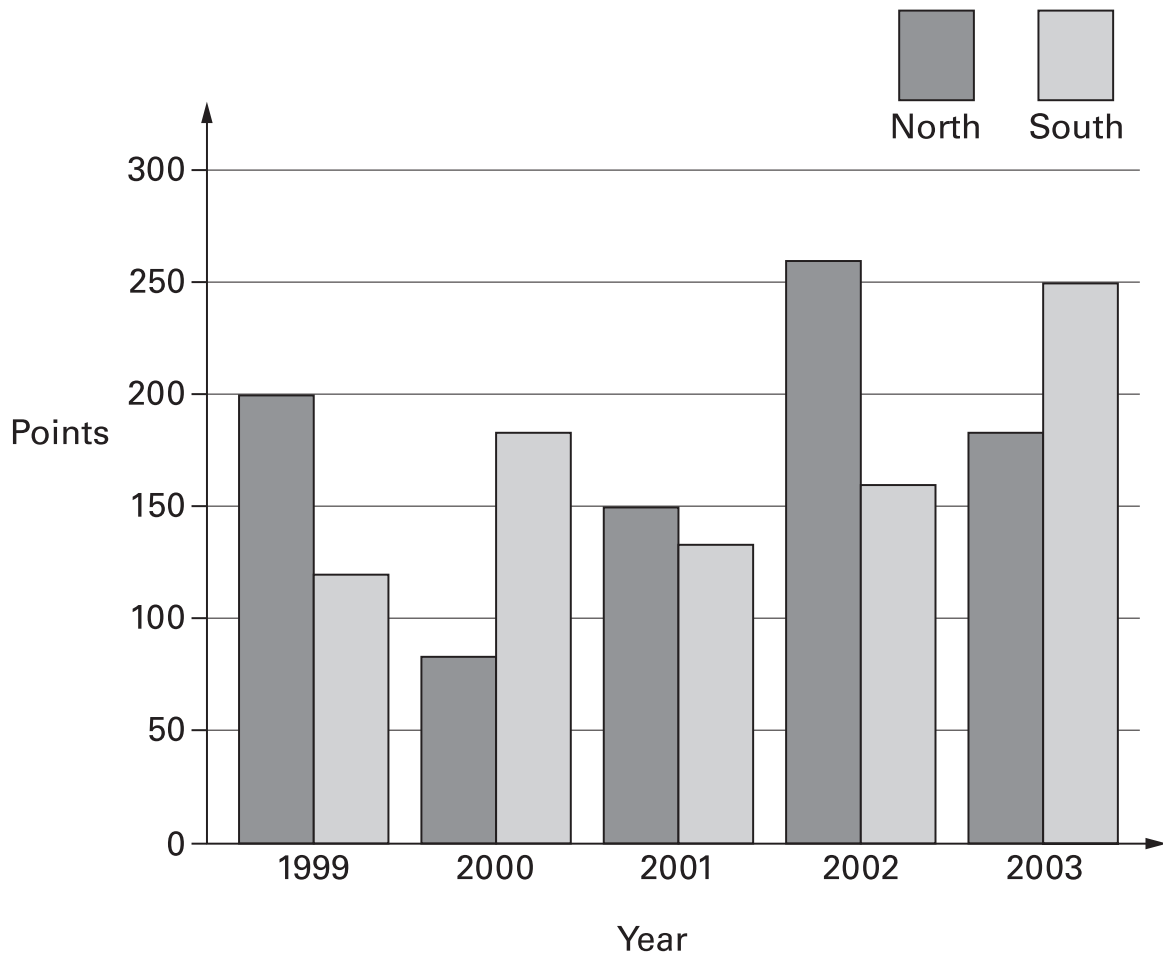How many **more** children went **walking** in **June** than **climbing** in **June**?

1 mark

7 A school has a quiz each year.

There are two teams.

Here are their results.

North   South

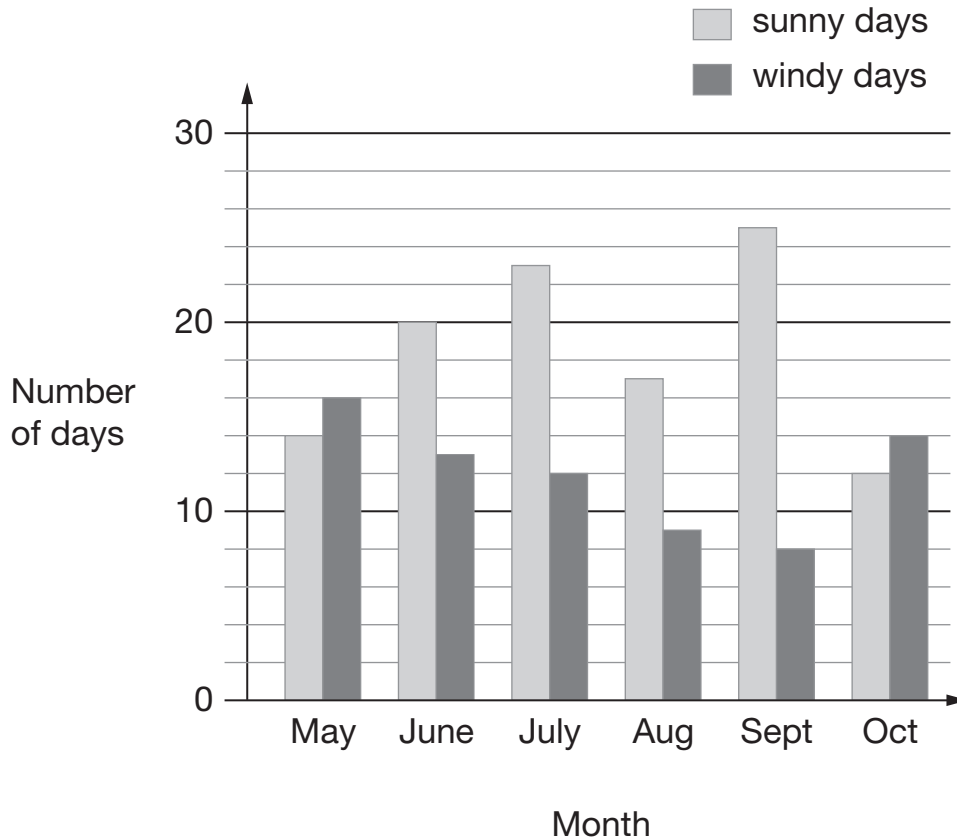In which year did **North beat South** by 100 points?

✏️ [   ]

In which year did **South beat North** by the greatest amount?

✏️ [   ]

8 The chart shows the number of sunny days and the number of windy days in six months.

Which months had more windy days than sunny days?

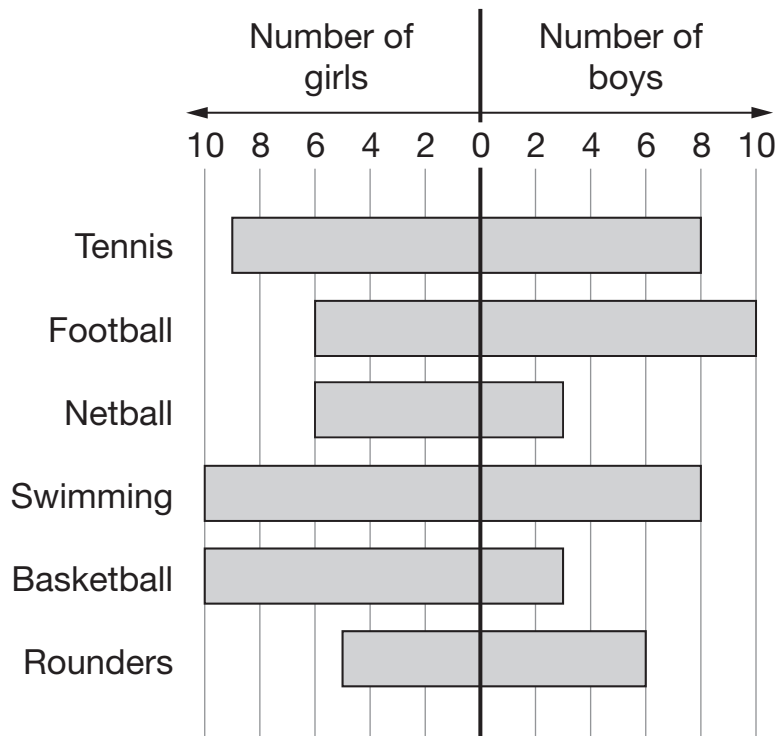✏️ _____

1 mark

How many months had more than 15 sunny days?

✏️ [ ]

1 mark

How many more sunny days than windy days were there in **June**?

✏️ [ ]

1 mark

9 Some children each chose their favourite sport.

This chart shows the results.

	Number of girls		Number of boys

10 8 6 4 2 0 2 4 6 8 10

Tennis

Football

Netball

Swimming

Basketball

Rounders

Which sport was chosen by the most children?

_____

1 mark

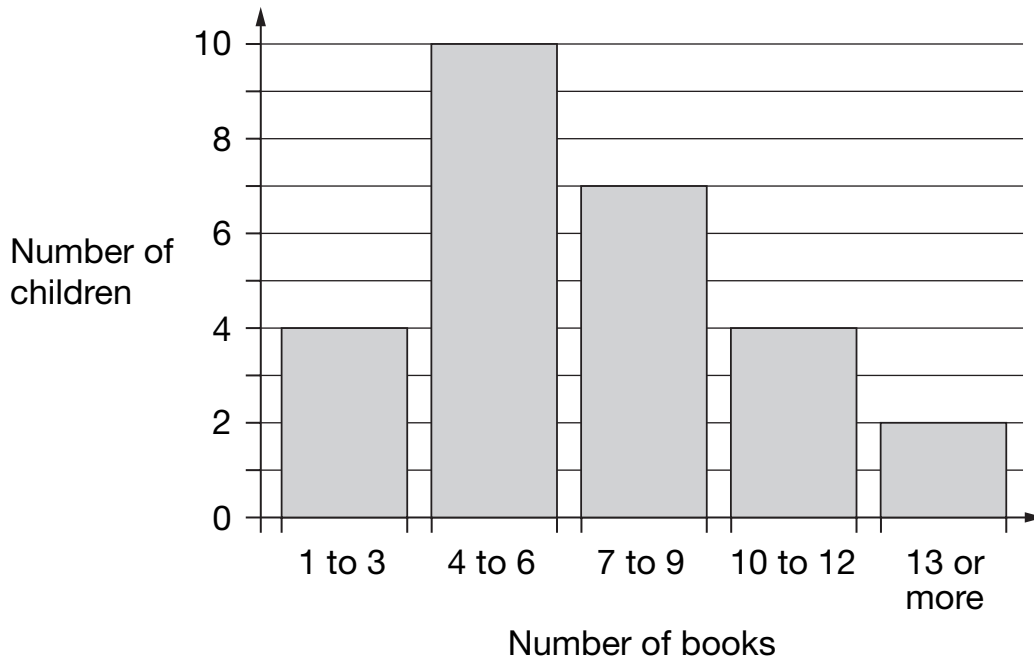How many **more** girls than boys chose basketball?

1 mark

Write **all** the sports that were chosen by more boys than girls.

_____

1 mark

10 This chart shows the number of books some children read last month.

How many children altogether read **more than 9 books**?

7 children read 4 books.
1 child read 5 books.
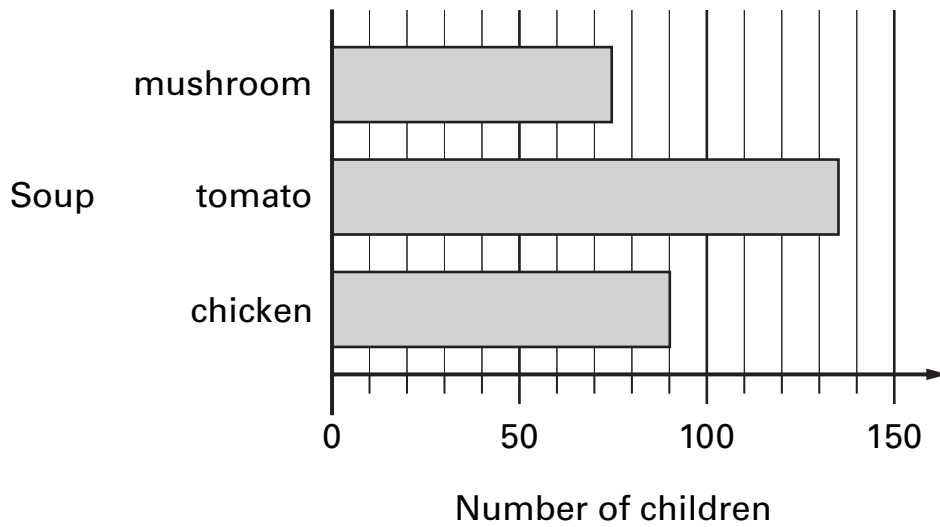
Lin says,

'That means 2 children read 6 books'.

Explain how she can work this out from the chart.

11 All the children at Park School chose their favourite soup.

The graph shows the results.

Soup

mushroom

tomato

chicken

0   50   100   150

Number of children

How many **more** children chose **chicken** soup than **mushroom** soup?

1 mark

Robbie says,

'More than half of the children chose tomato soup'.

Is he correct?
Circle Yes or No.
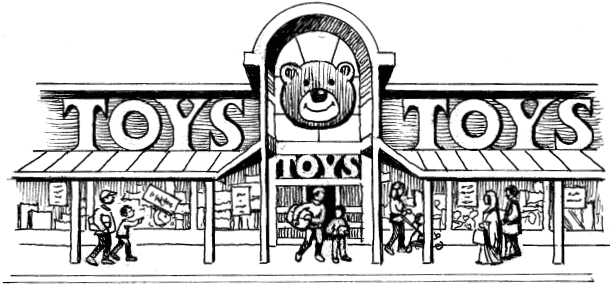
Yes / No

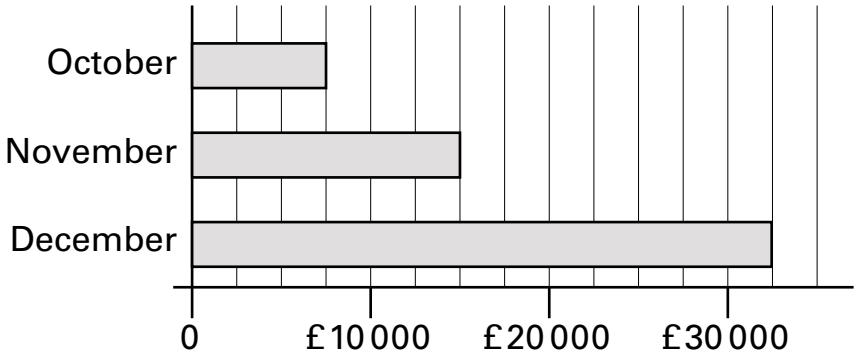Explain how you can tell from the graph.

....

....

....

1 mark

12

This chart shows the amount of money spent in a toy shop in three months.

How much **more** money was spent in the shop in **December** than in **November**?

£ ☐

1 mark

Stepan says,

'In November there was a 100% increase on the money spent in October'.

Is he correct?
Circle Yes or No.

Yes / No

Explain how you can tell from the chart.

....

....

....

1 mark