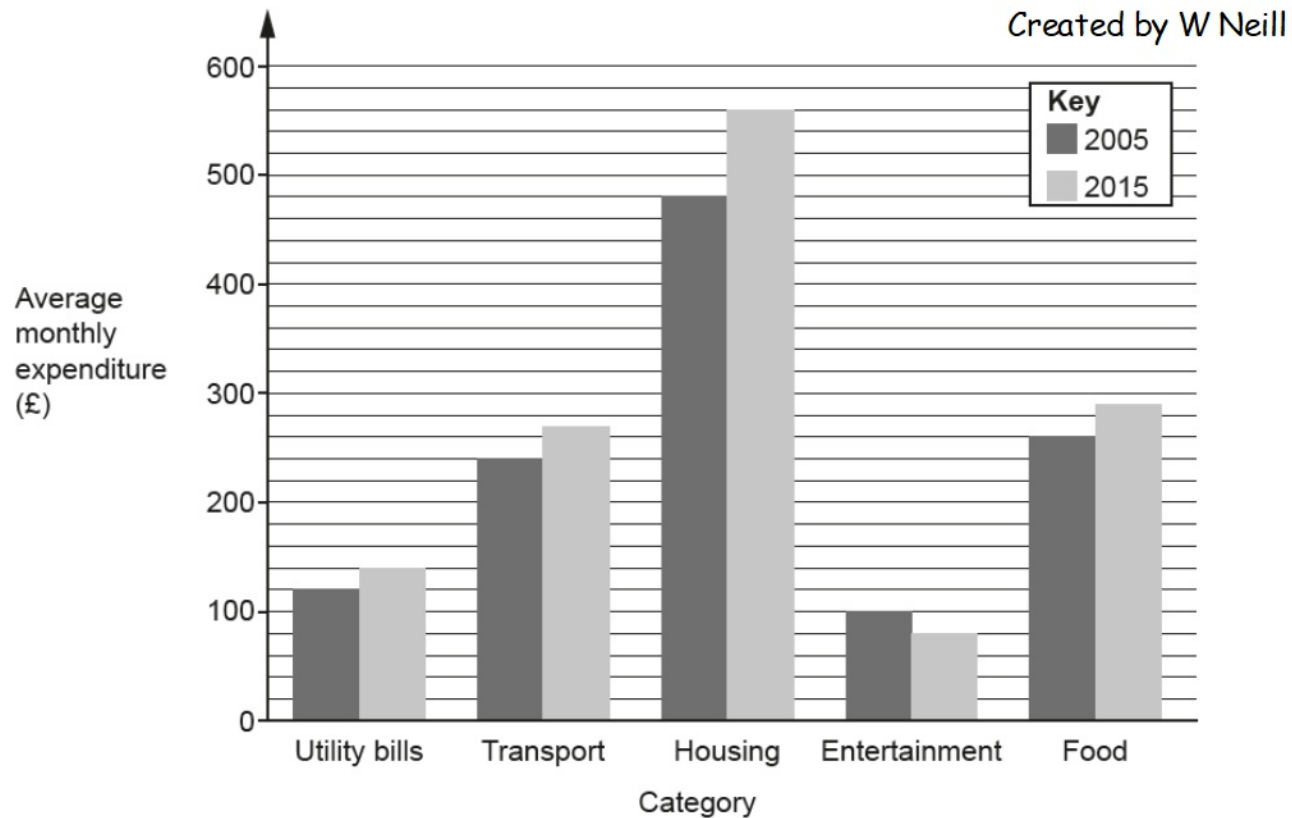


P5 - Dual Bar Charts

OCR

6 This bar chart shows the average monthly expenditure, by category, of households in a particular town in 2005 and 2015.

P5

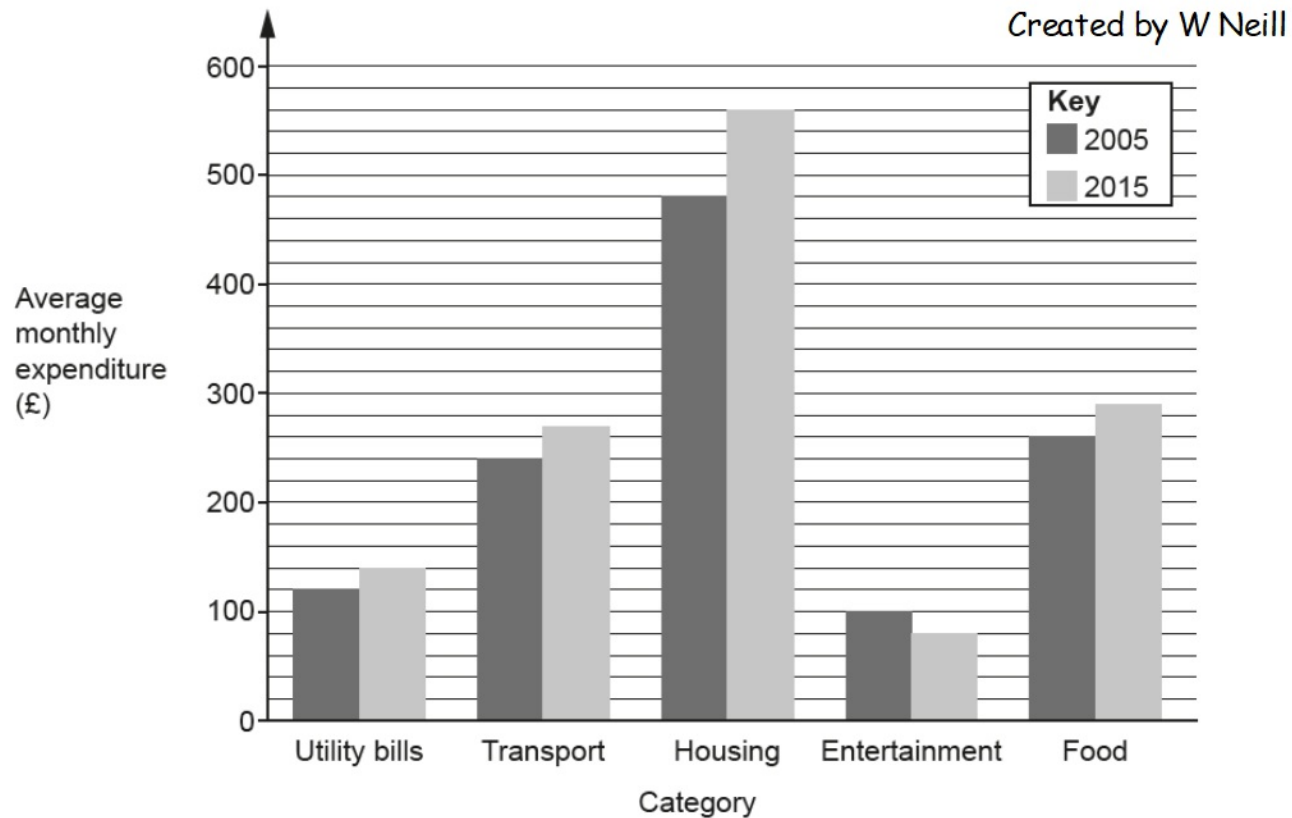


(a) In which category was there a decrease in the average monthly expenditure between 2005 and 2015?

(a) [1]

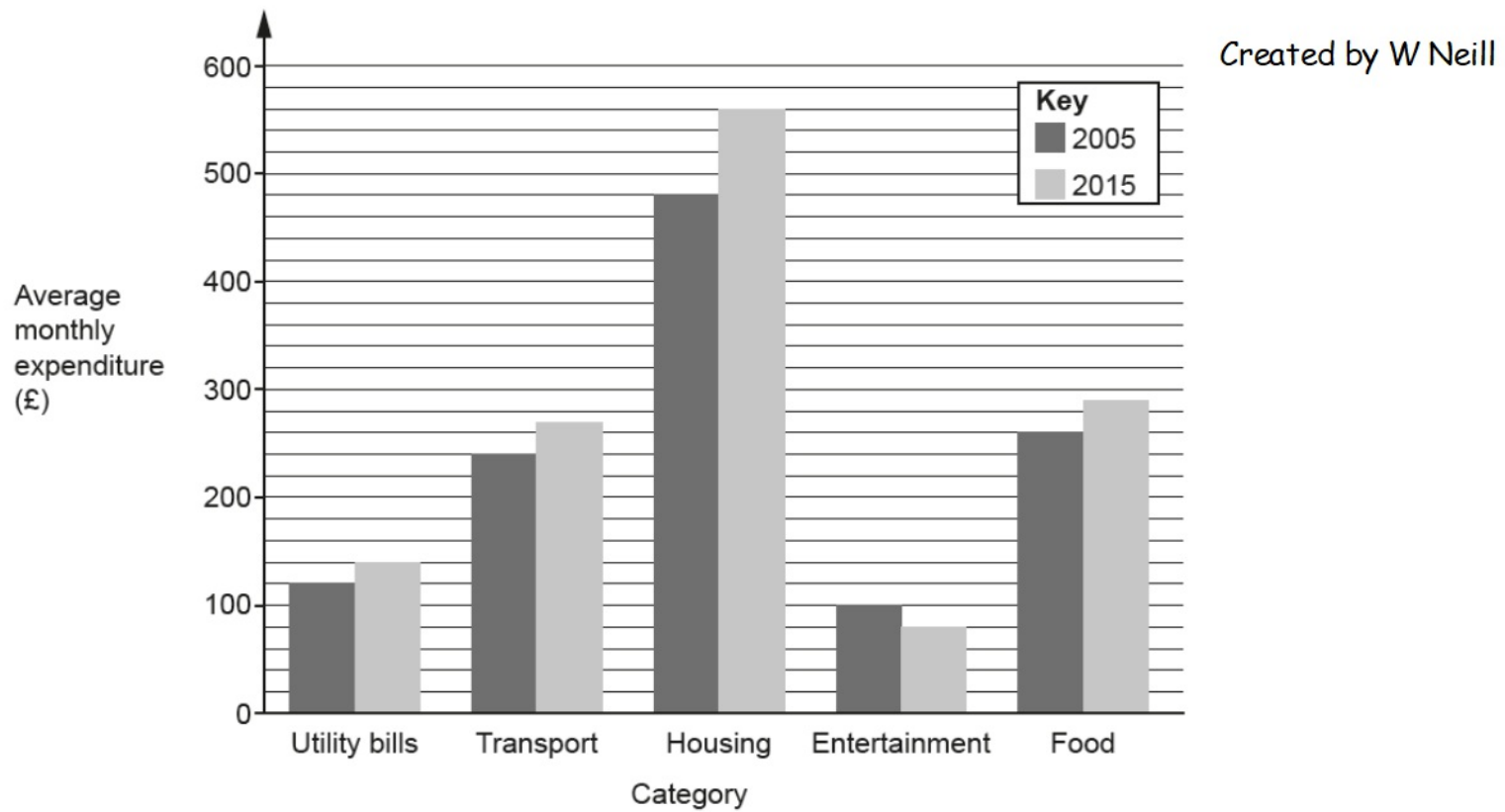
6 This bar chart shows the average monthly expenditure, by category, of households in a particular town in 2005 and 2015.

P5



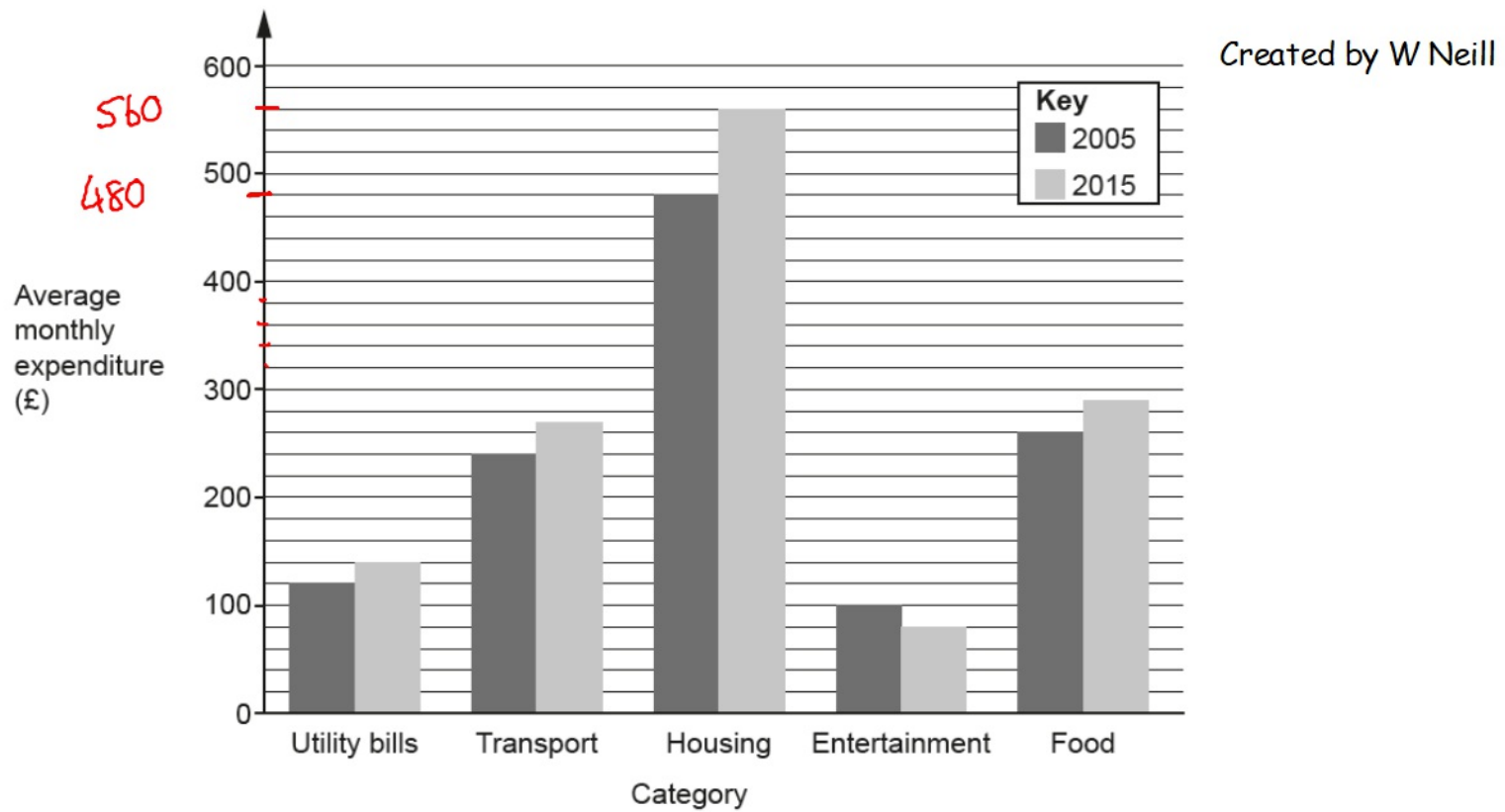
(a) In which category was there a decrease in the average monthly expenditure between 2005 and 2015?

(a) Entertainment [1]



(b) How much more was the average monthly expenditure on housing in 2015 than in 2005?

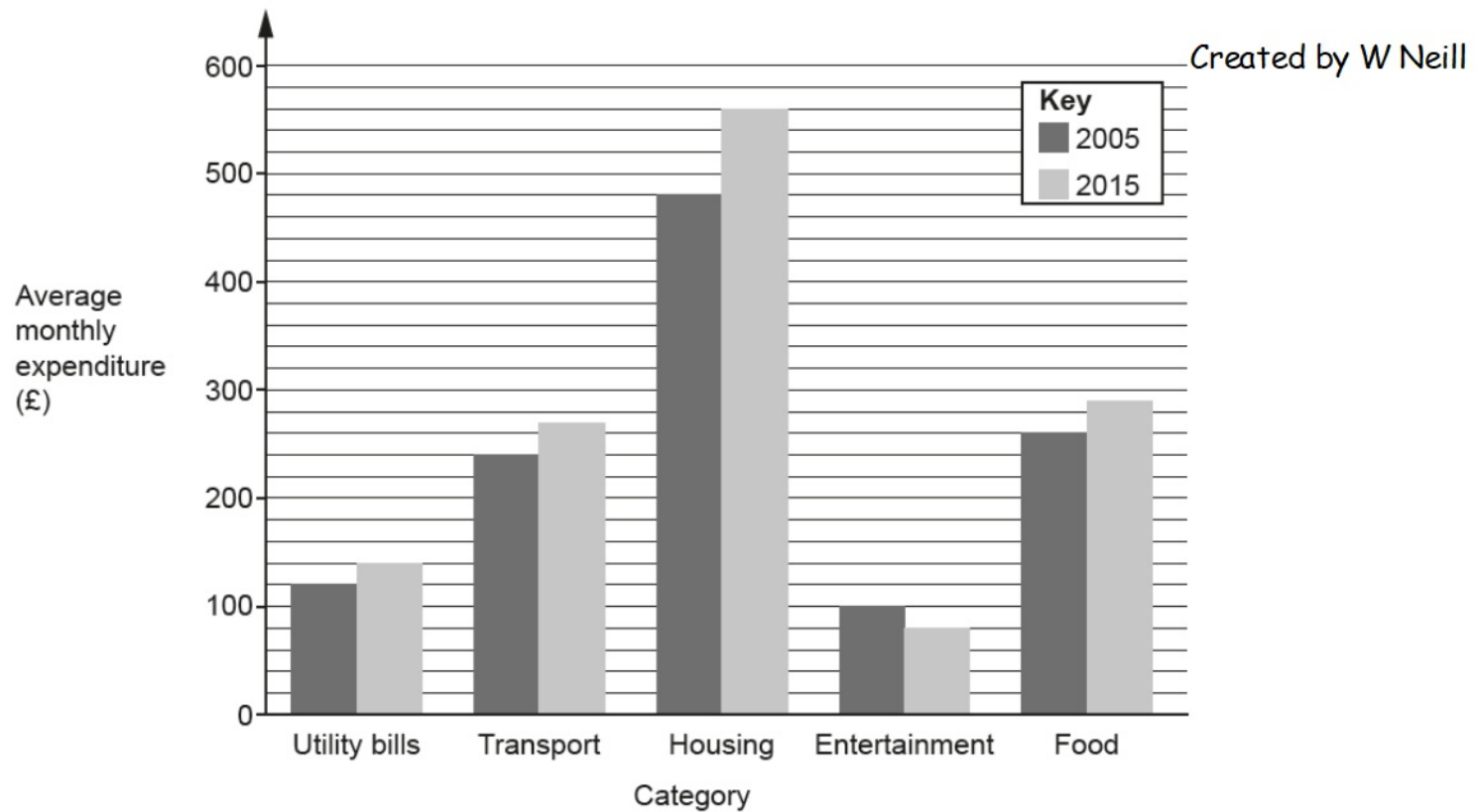
(b) £ [2]



(b) How much more was the average monthly expenditure on housing in 2015 than in 2005?

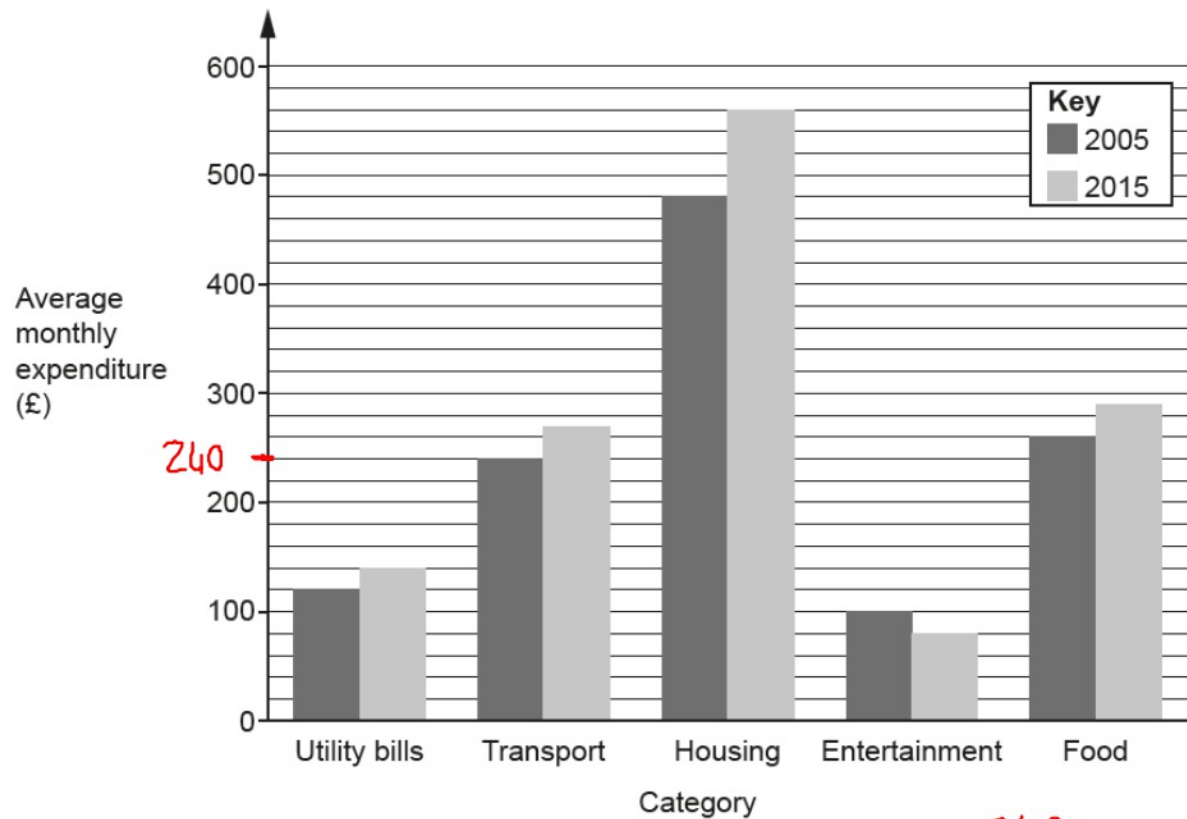
$$560 - 480$$

(b) £ 80 [2]



(c) The total average monthly expenditure in 2005 was £1200.

RS What percentage of this was spent on transport?



$$\frac{24}{120} = \frac{12}{60}$$

$$\frac{6}{30} = \frac{1}{5}$$

$$\frac{1}{5} = 0.2$$

20% ✓

(c) The total average monthly expenditure in 2005 was £1200.

RS What percentage of this was spent on transport?

$$\frac{240}{1200}$$

$$\frac{24}{120}$$

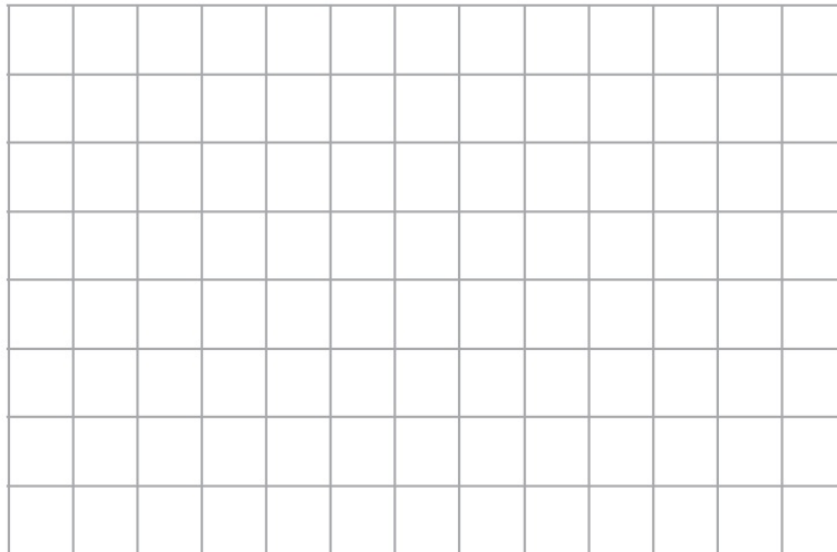
$$\frac{\quad}{100}$$

Edexcel

13 The table shows information about the favourite instrument played by each of 24 students.

Instrument	Number of boys	Number of girls
guitar	6	2
violin	2	5
keyboard	3	2
recorder	1	3

(a) On the grid below, draw a suitable diagram to show this information.



(4)

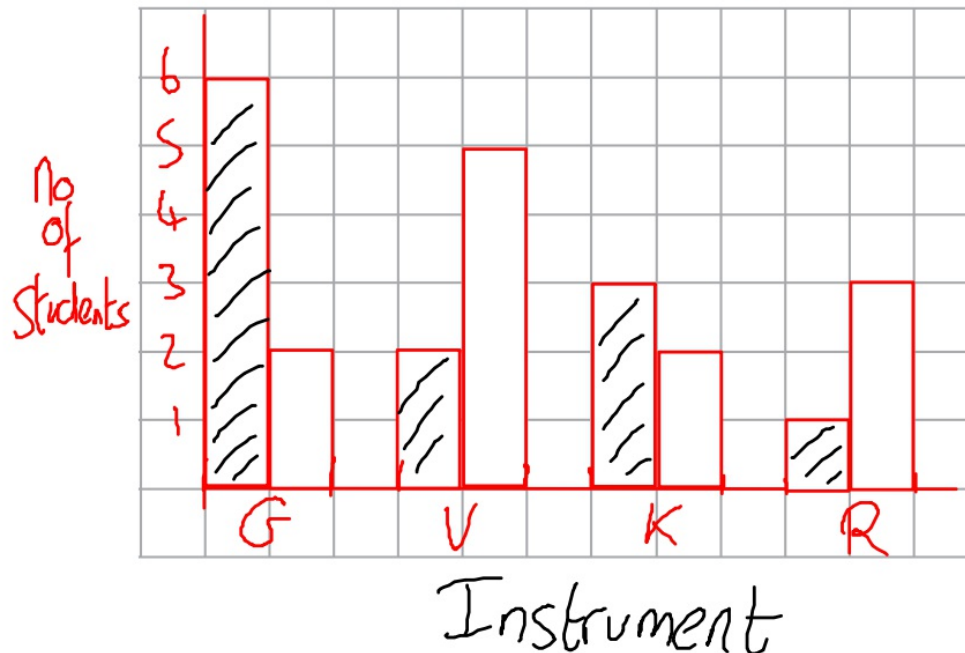
One of the students is chosen at random.



(b) What is the probability that this student's favourite instrument is **not** the recorder?

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(a) On the grid below, draw a suitable diagram to show this information.



 = Boys
 = Girls

$$\frac{20}{24} \checkmark \quad (4)$$

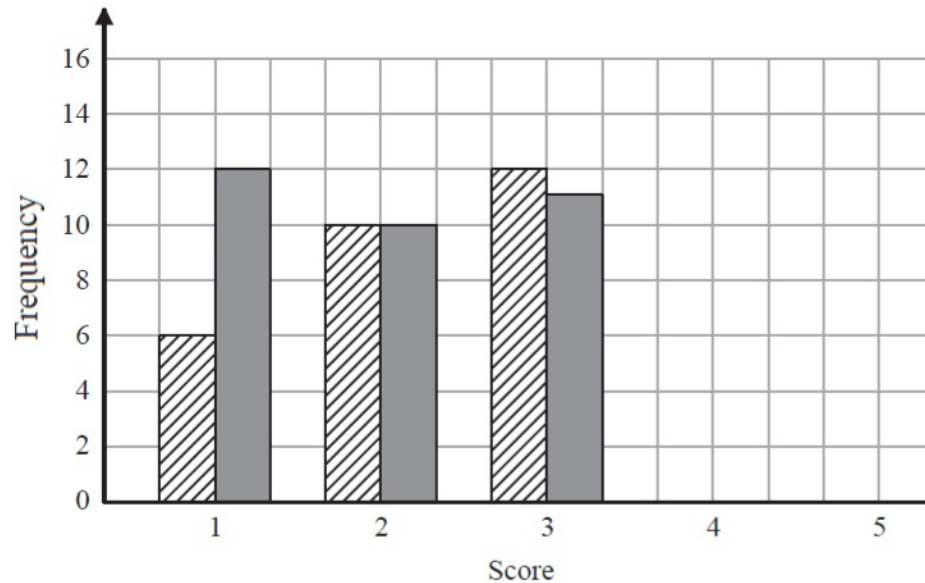
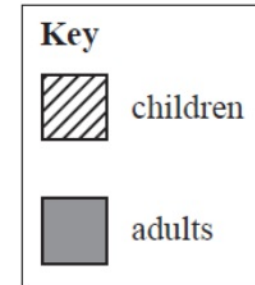
One of the students is chosen at random.

(b) What is the probability that this student's favourite instrument is **not** the recorder?

7 A group of children and a group of adults gave an app a score.

P5 1 was the lowest possible score.
5 was the highest possible score.

The incomplete bar chart shows some information about the scores.



Score	Number of children	Number of adults
4	14	6
5	10	9

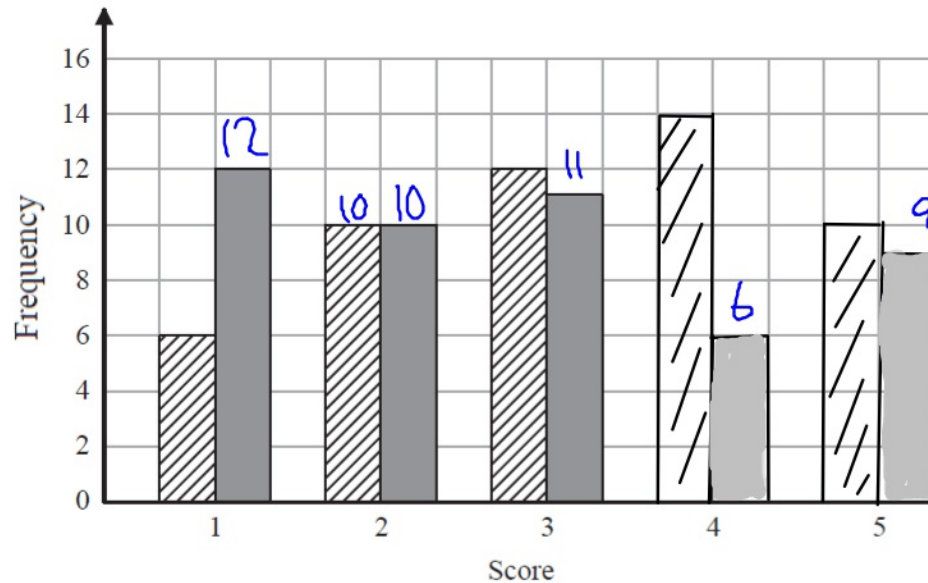
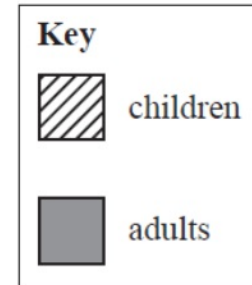
(a) Complete the bar chart for this information. (2)

(b) Work out the total number of adults who gave the app a score. (2)

7 A group of children and a group of adults gave an app a score.

P5 1 was the lowest possible score.
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Score	Number of children	Number of adults
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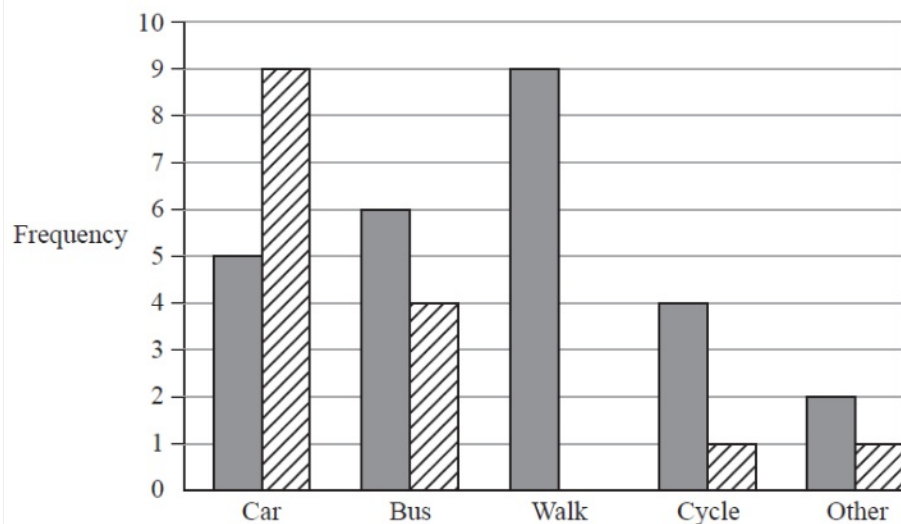
$$12 + 10 + 11 + 6 + 9$$

(a) Complete the bar chart for this information. (2)

(b) Work out the total number of adults who gave the app a score. 48 (2)

3 A teacher asks the students in Year 6 what type of transport they use to get to school. The dual bar chart shows some of the results.

Video created by W Neill



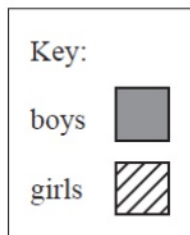
(a) What is the most popular type of transport used by the boys?

7 girls walk to school.

(b) Show this information on the dual bar chart.

More of the students get to school by car than by bus.

(c) How many more?

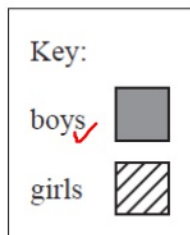
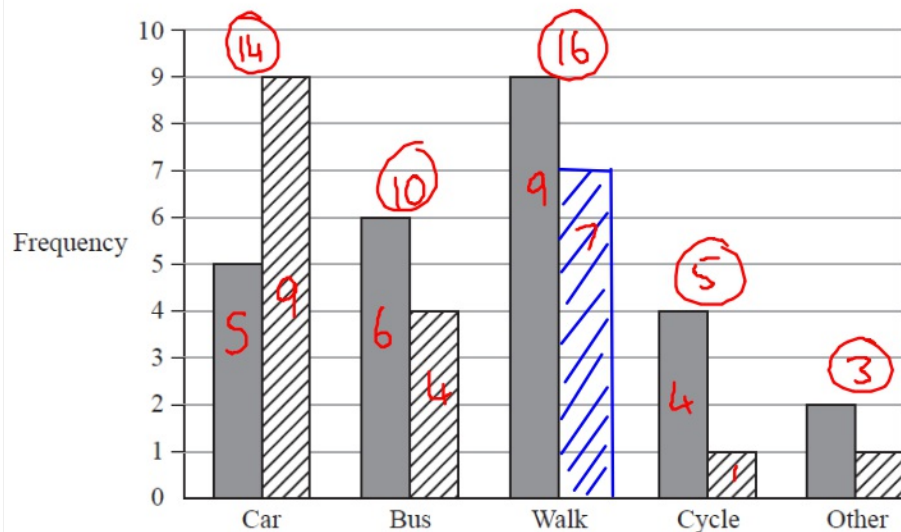


The number of students in Year 5 is the same as the number of students in Year 6

(d) What is the total number of students in Years 5 and 6?

3 A teacher asks the students in Year 6 what type of transport they use to get to school. The dual bar chart shows some of the results.

Video created by W Neill



The number of students in Year 5 is the same as the number of students in Year 6

(a) What is the most popular type of transport used by the boys?

walk

7 girls walk to school.

(b) Show this information on the dual bar chart.

More of the students get to school by car than by bus.

(c) How many more?

$$14 - 10 = 4 \checkmark$$

(d) What is the total number of students in Years 5 and 6?

$$48 + 48 = 96 \checkmark$$

AQA

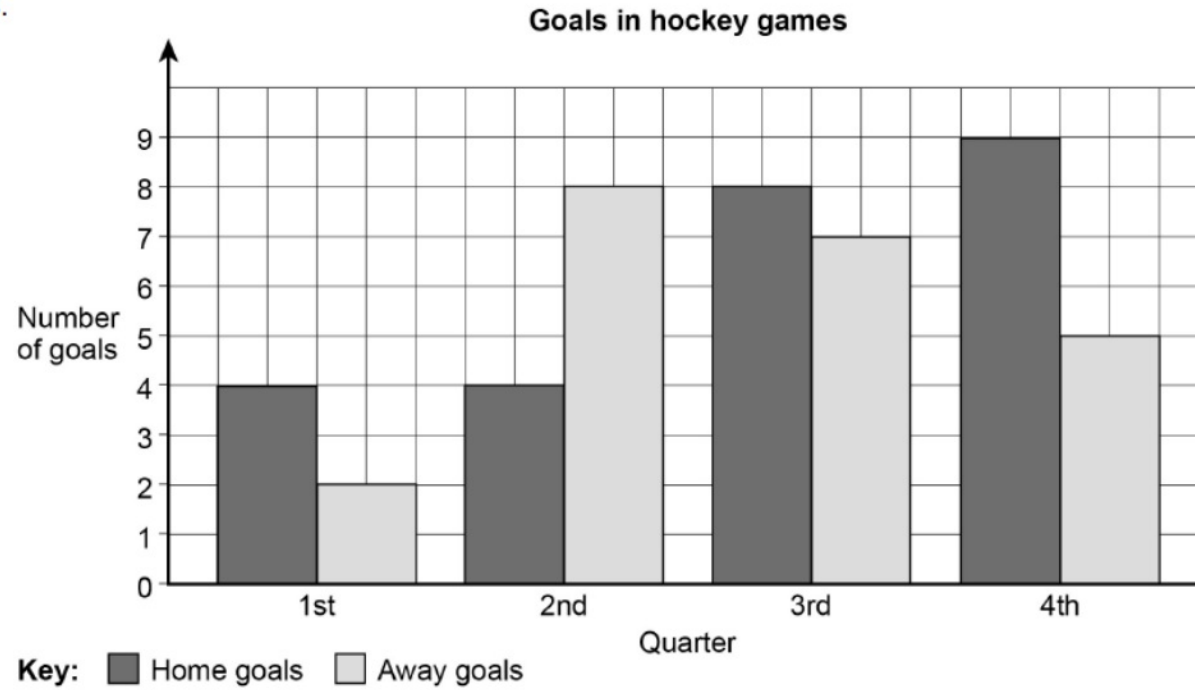
8

Here is information about the goals scored in some hockey games.

Video created by W Neill

PS

Each game has four quarters.



8 (a) Which quarter was the mode for **away** goals?

Circle your answer.

1st

2nd

3rd

4th

[1 mark]

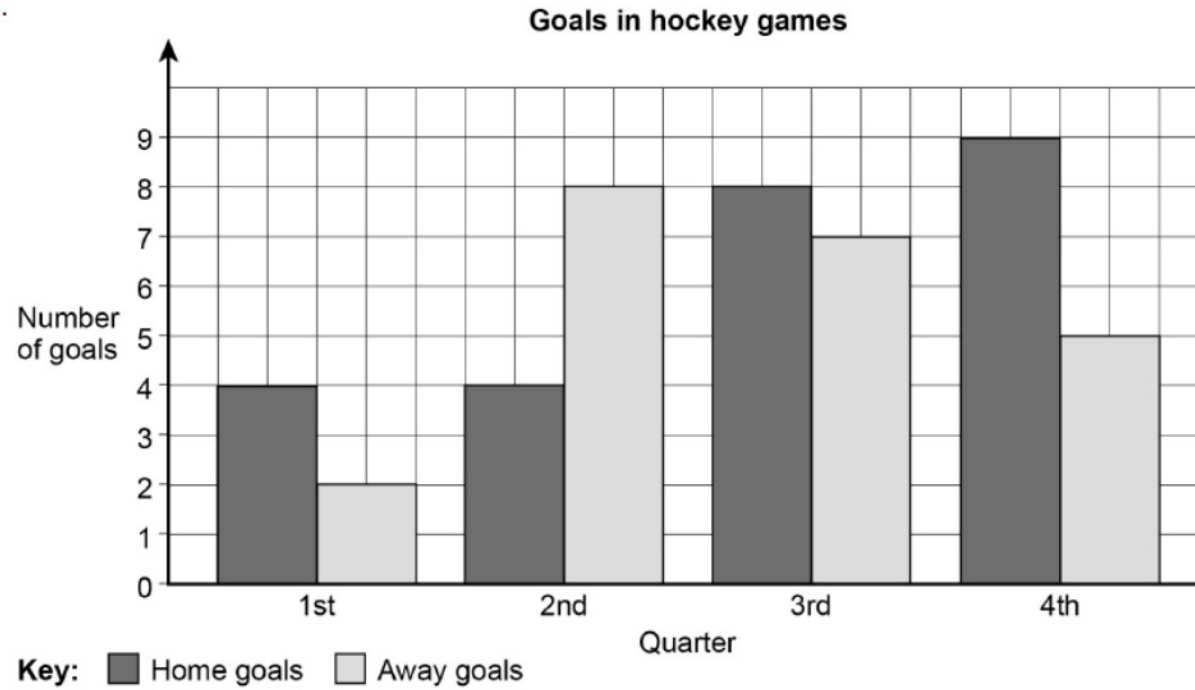
8

Here is information about the goals scored in some hockey games.

Video created by W Neill

P5
P2

Each game has four quarters.



8 (a) Which quarter was the mode for **away** goals?

Circle your answer. *most*

1st

2nd

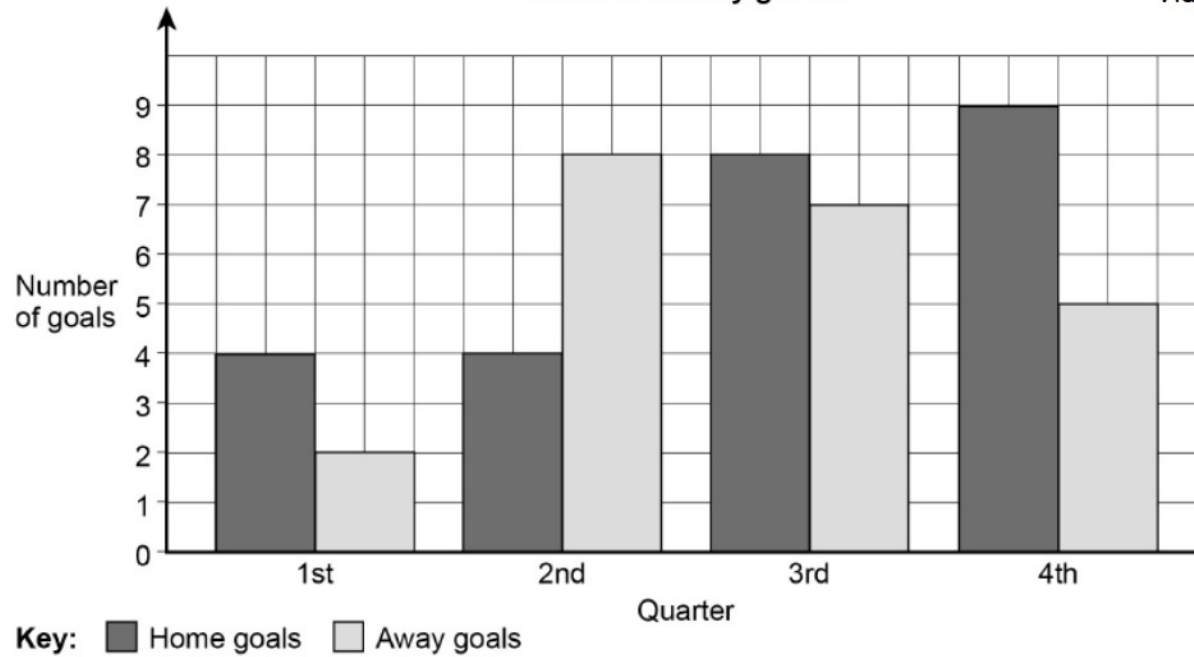
3rd

4th

[1 mark]

Goals in hockey games

Video created by W Neill



8 (c) In total, how many **more** home goals were scored than away goals?

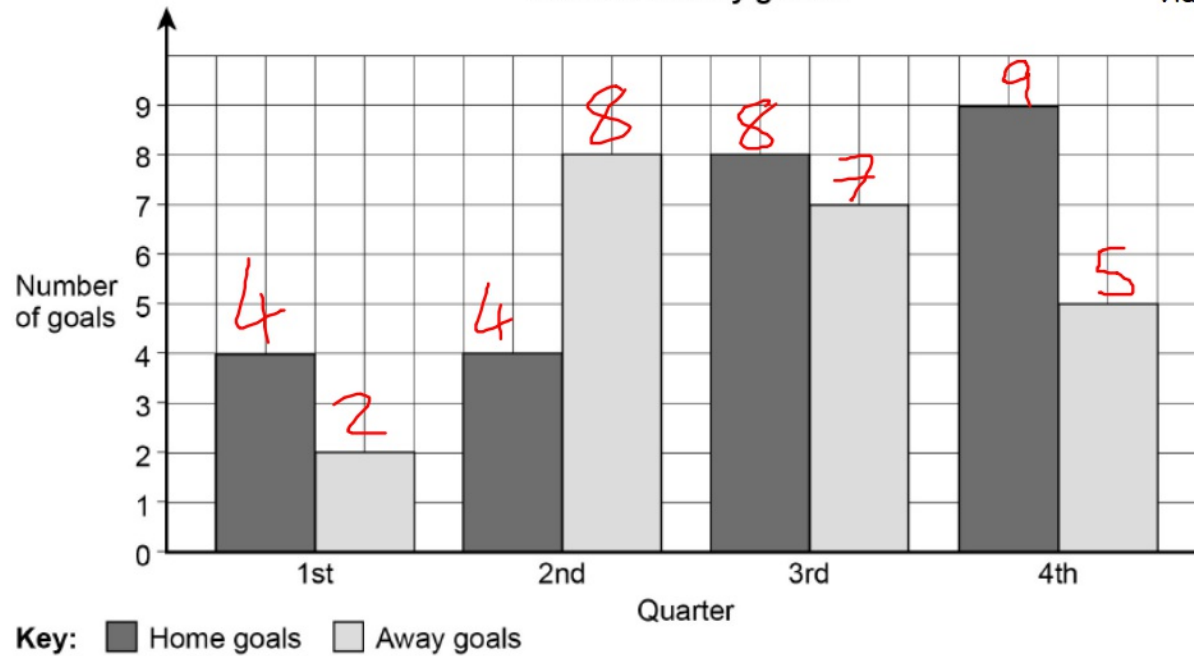
[2 marks]

P5

Answer _____

Goals in hockey games

Video created by W Neill



8 (c) In total, how many **more** home goals were scored than away goals?

[2 marks]

P5

$$\text{Home} = 4 + 4 + 8 + 9 = 25$$

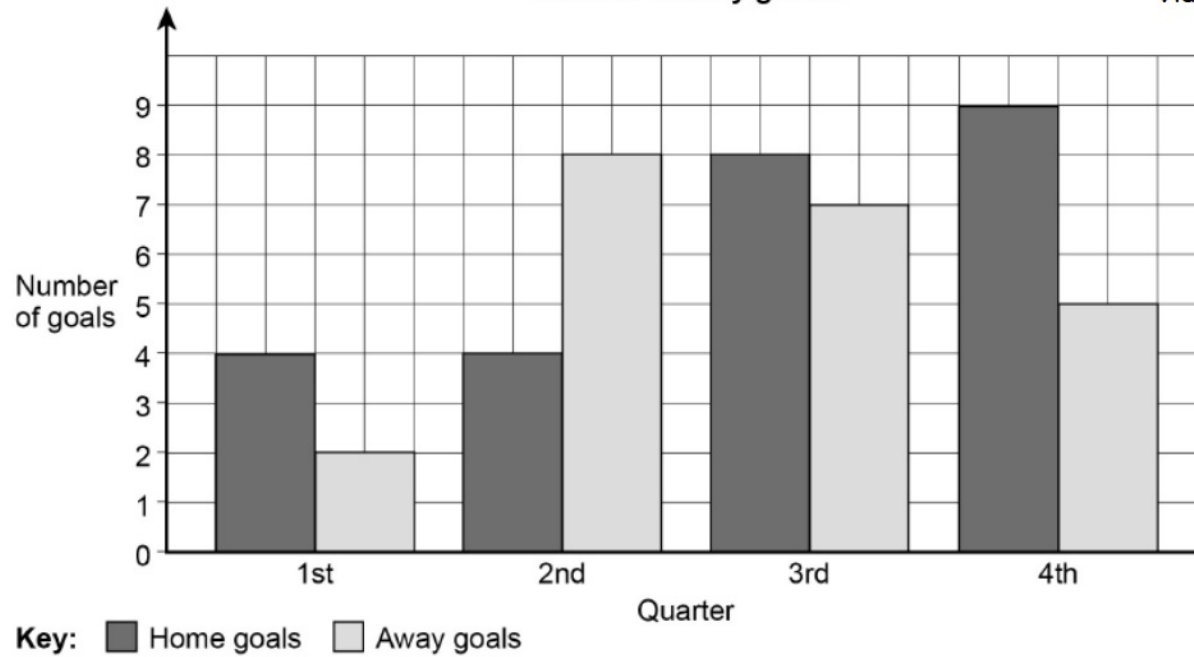
$$\text{Away} = 2 + 8 + 7 + 5 = 22$$

Answer

3 ✓

Goals in hockey games

Video created by W Neill



8 (d)

Rob says,

PS

“More home teams **must** have won because there were more home goals.”

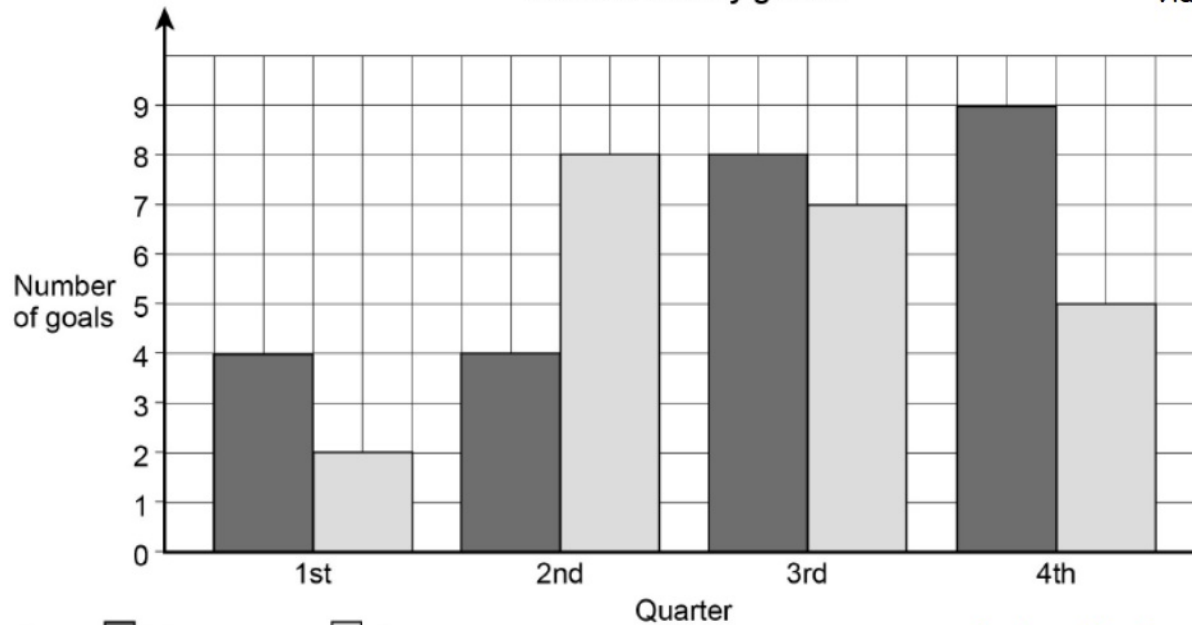
Is he correct?

Give a reason for your answer.

[1 mark]

Goals in hockey games

Video created by W Neill



Key: ■ Home goals ■ Away goals

what if home 6-0
away → 1-2

8 (d)

Rob says,

"More home teams **must** have won because there were more home goals."

PS

Is he correct?

Give a reason for your answer.

No, Some home games may have had big scores [1 mark]
eg 6-0