

Year 8

Representing Data



Name _____

1 Match the type of data with the data sets.

Discrete Type of pet

Continuous Number of pets

Qualitative Weight of pet

2 Here are the number of goals scored by the English netball team in the Netball World Cup.

64, 70, 90, 56, 72, 58, 55, 58

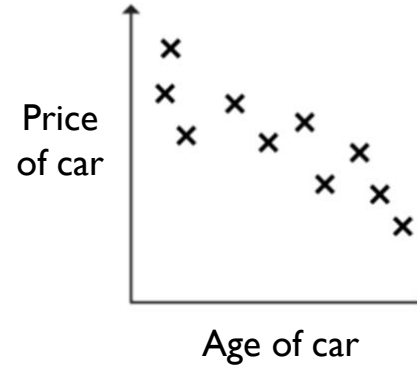
Complete the table to show this data.

Number of goals	Frequency
50 – 59	
60 – 69	
70 – 79	
80+	

2 marks

2 marks

3 Describe the correlation shown in the graph.



_____ correlation

1 mark

4 The table shows the heights of 27 students.

Height (x cm)	Frequency
$135 < x \leq 140$	1
$140 < x \leq 145$	3
$145 < x \leq 150$	14
$150 < x \leq 155$	8
$155 < x \leq 160$	1

How many students are between 150 and 155 cm tall?

1 mark

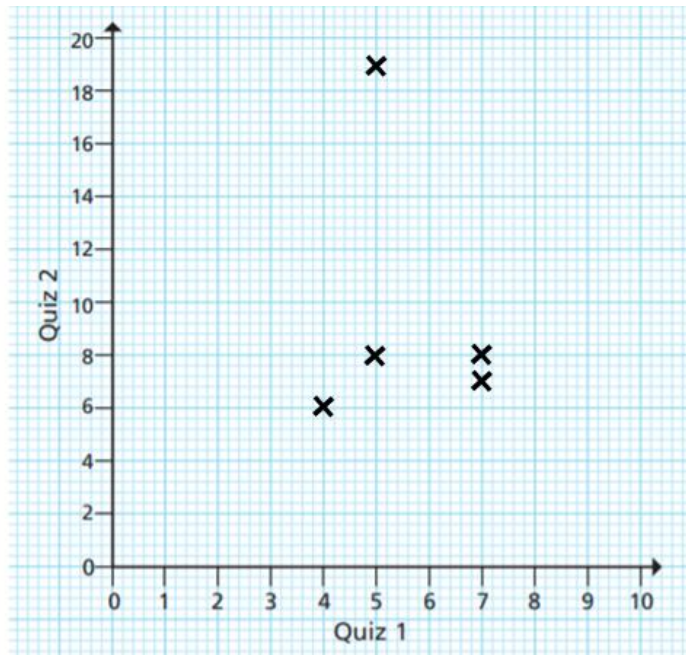
How many students are taller than 145 cm?

1 mark

- 5 The table shows the scores 8 people got on two quizzes.

Quiz 1	4	7	5	5	7	8	6	9
Quiz 2	6	7	8	19	8	10	9	12

The first 5 points have been plotted on the graph. Plot the last 3 points.



Circle the point that is an outlier.

Draw a line of best fit.

Estimate the score for quiz 2 for someone who scored 10 on quiz 1

2 marks

1 mark

1 mark

2 marks

- 6 200 students study either Geography or History.

There are 93 boys in total.

120 students study Geography.

54 of the Geography students are girls.

Complete the table.

	Geography	History	Total
Boys			
Girls			
Total			

3 marks

- 7 The table shows the number of TVs owned by 30 people.

Number of TVs	0	1	2	3	4
Frequency	2	5	12	8	3

How many people have one TV?

How many people have at least two TVs?

How many TVs do the 30 people have altogether?

1 mark

1 mark

2 marks

Total marks