

Five students take part in two different quizzes.

The table shows the results for the five students.

Student	Quiz 1	Quiz 2
Мо	7	13
Dora	3	6
Tommy	5	9
Annie	9	12
Ron	10	18

- a) Draw a scatter graph for the students' results.
- b) What do you notice about the scores on the two quizzes?
- c) Discuss with a partner what you can understand from the scatter graph.

A zoo records the average number of fish in a tank, and the average length of the fish.

They plot a scatter graph to show their results.



a) Use coordinates from the graph to complete the table.

Number of fish				
Average length of fish (cm)				

b) Complete the sentence.

The ______ fish there are in the tank, the ______ the length of the fish.

c) A different fish tank contains ten fish.

Estimate the average length in centimetres of the fish in this tank.

Choose one of these measurements.

17 cm 25 cm 11 cm 4 cm

Discuss your answer with a partner.

- Students are comparing how long they charge their phones for in hours, with the percentage of charge shown on their phones.
- a) Draw a scatter graph to represent the results for these six students.

Dani (5, 80)	Ron (3, 70)
Kim (0, 10)	Eddy (7, 100)
Nijah (10, 4)	Brett (5, 60)

- b) Whose phone do you think is broken?
 Explain your reasoning.
- Distance from school against mode of transport to school

Is it possible to represent this on a scatter graph? Talk about your reasoning with a partner.





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- b) Whose phone do you think is broken?
 Explain your reasoning.



Talk about your reasoning with a partner.



The owner of a large company wants a scatter graph showing the weekly rent and profit of their shops.

Here is a table showing the information.

Location	Weekly rent (£)	Weekly profit (£)
Harrogate	7,000	500
Knaresborough	2,000	3,000
Wetherby	3,500	2,000
Skipton	5,000	-1,000
Keighley	4,800	1,000





b) What is the relationship between the weekly rent paid and the weekly profit?