

m2 = 2 days to go!

5 Work out the value of $5x + 3y$ when $x = -4$ and $y = 2$

Answer _____ [2]

19 Jack is a pupil at Northfield Boys School. He wants to know how many times a month the people in his town go to a football match. He asks 600 pupils in his school.

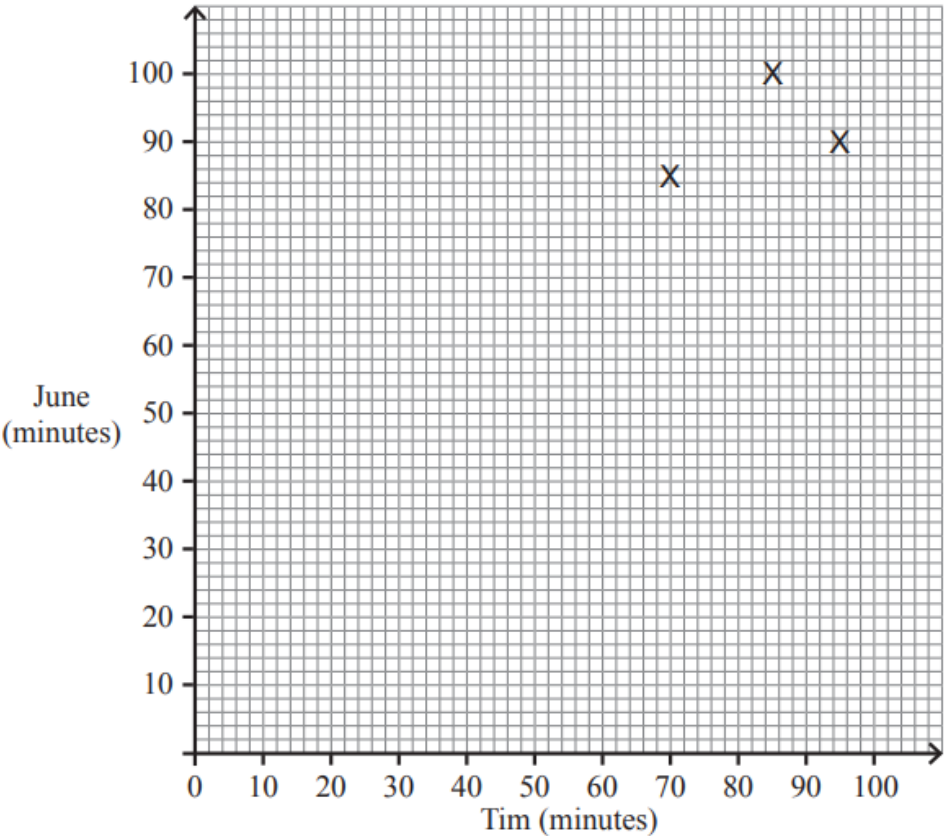
Give **two** reasons why Jack's sample may not be representative of the people in his town.

Reason 1 _____
_____ [1]

Reason 2 _____
_____ [1]

20 Tim and June recorded the amount of time in minutes they spent on different homeworks during one week. The results are shown below.

	Maths	English	Art	Geography	History	Science	Music	ICT
Tim	70	85	95	50	65	40	10	50
June	85	100	90	75	70	60	40	60



(a) Use the data to complete the scatter graph. The first three results are already plotted. [2]

(b) Draw the line of best fit. [1]

(c) Tim spent 60 minutes on a Technology homework.

Use your line of best fit to estimate the time that June spent on the Technology homework.

Answer _____ minutes [1]

(d) What type of correlation does your graph show?

Answer _____ [1]