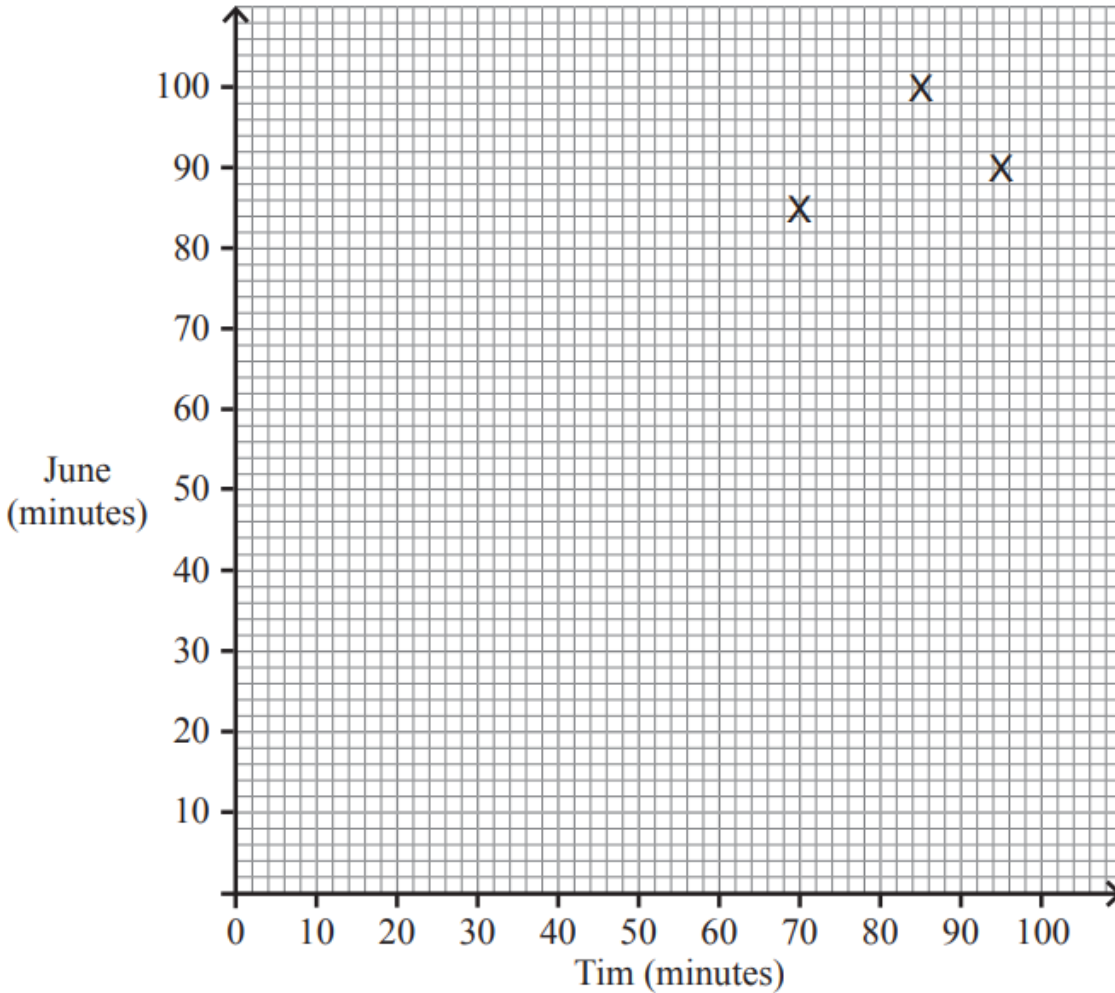


20 Tim and June recorded the amount of time in minutes they spent on different homeworks during one week. The results are shown below.

	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



m3 = 9 days to go!

(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]

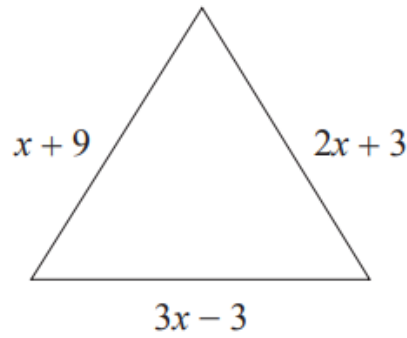
(c) Tim spent 60 minutes on a Technology homework.

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]



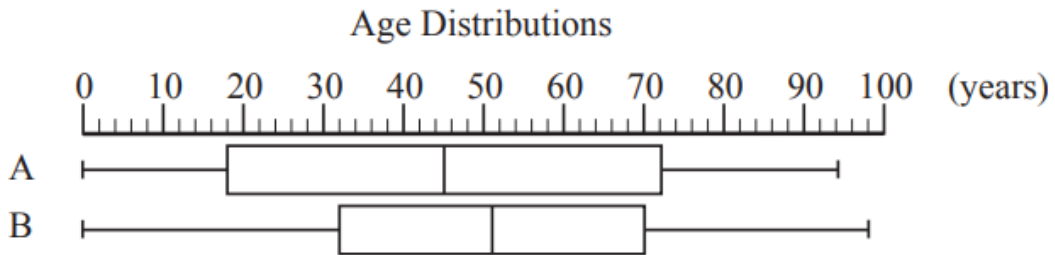
The diagram shows an equilateral triangle.

Form and solve an equation to calculate the **perimeter** of the triangle.

Equation _____ [1]

Answer perimeter = _____ [3]

25 The box plots show the distribution of ages of the people living in two cities, A and B.



(a) In which city is the interquartile range greater? How can you tell this from the diagram?

Answer city _____ because _____
 _____ [1]

(b) In which city are people generally older? Explain your answer.

Answer city _____ because _____
 _____ [1]