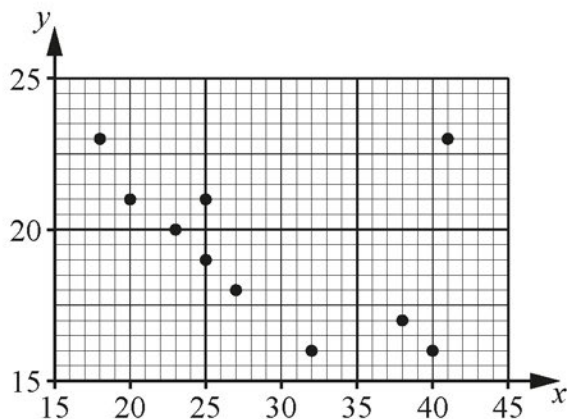


- 8 A random sample of 10 students from a college was chosen. They were asked how much time, x hours, they spent studying, and how much money, £ y , they earned, in a typical week during term time. The results are shown in the scatter diagram.



- (a) Comment on the relationship shown by the diagram between hours spent studying and money earned, during term time, by these 10 students. [2]

The coordinates of the points in the diagram are (18, 23), (20, 21), (23, 20), (25, 19), (25, 21), (27, 18), (32, 16), (38, 17), (40, 16) and (41, 23).

- (b) Find the mean and standard deviation of the number of hours spent per week studying during term time by these 10 students. [2]