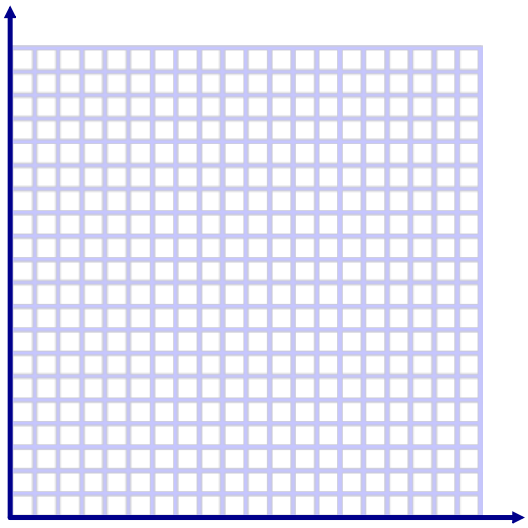
4.10 Equaon from LoBF

The table below displays data that relate the number of hours studying to the mark received on the exam.

# of Study Hours	35	37	41	45	50	52	55
Mark (%)	67	65	74	73	82	80	88

1. Create a scaerplot of the data. Use breaks in the graph.

2. Draw a line-of-best-fit for the data. Why is this reasonable?



3. a) What is the approximate rate of change for this data set?

b) What is the real-world meaning of the rate of change?

4. What is the y-intercept for the line that best models the data?
What is the real-world meaning of the y-intercept?

5. Use your equaon to predict how many hours you need to study in the enre course to get a 95%.