11 A student takes part in a 400 m race. The table below shows the distance the student traveled over time.
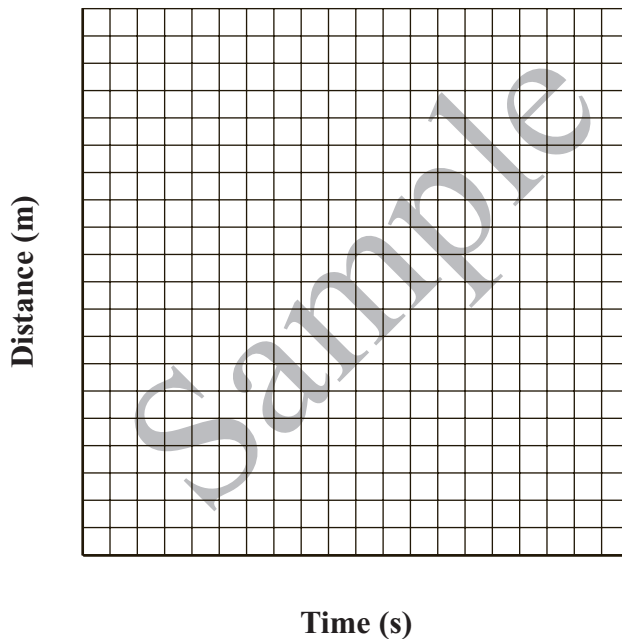
Time (s)	Distance (m)
0	0
30	100
60	200
90	300
120	400
150	400
180	400

a. On the grid in your Student Answer Booklet, copy the x-axis and y-axis labels as shown below **and** use the information from the table to make a proper scale by adding numbers to each axis on your graph.

Time (s)

b. Draw a line on your graph to represent the motion of the student from 0 s to 120 s.

c. Calculate the average speed of the student from 0 s to 120 s. Be sure to show your calculations and include units in your answer.

d. Is the student moving from 120 s to 180 s? Explain your answer.