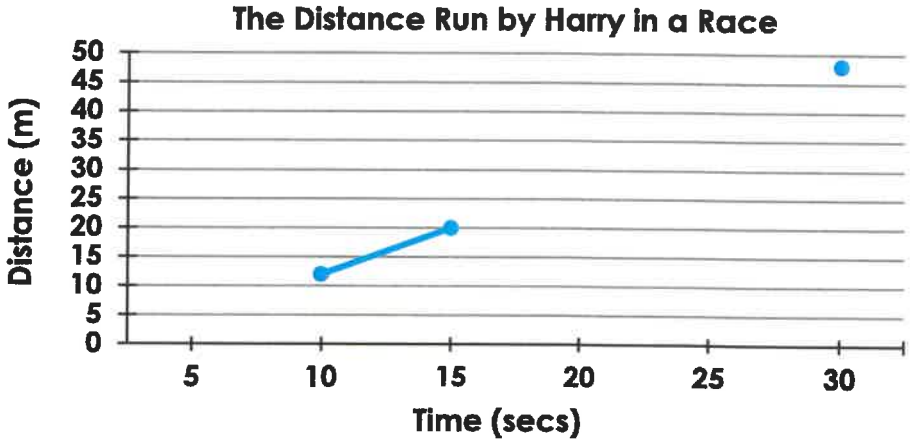
Lindisfarne

Draw Line Graphs

4a. The table and line graph below show the distance Harry ran in a race. Join the points in the line graph to estimate the missing distances in the table below.

Time (secs)	Distance (m)
5	
10	12
15	20
20	
25	
30	48

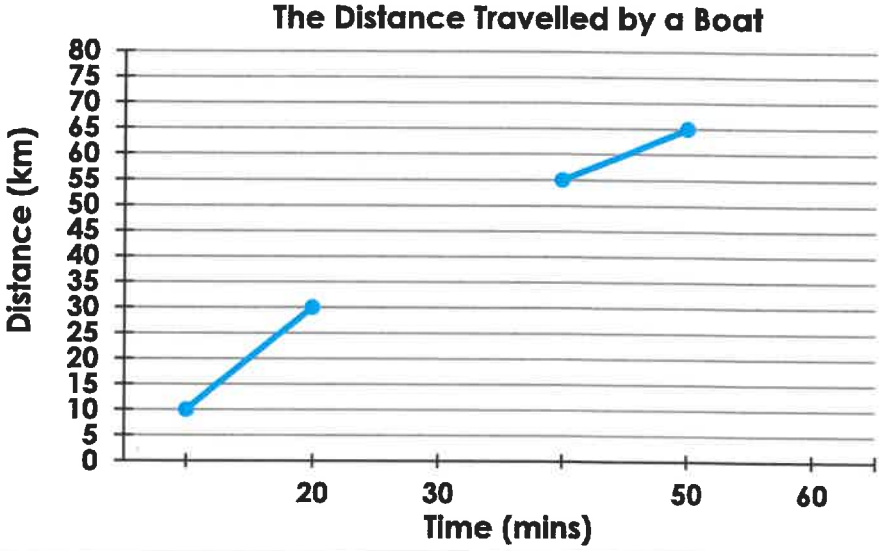


E

VF

5a. The table and line graph below show the distance travelled by a boat. Use the information in the table to complete the line graph.

Time (mins)	Distance (km)
10	10
20	30
30	46
40	55
50	65
60	76

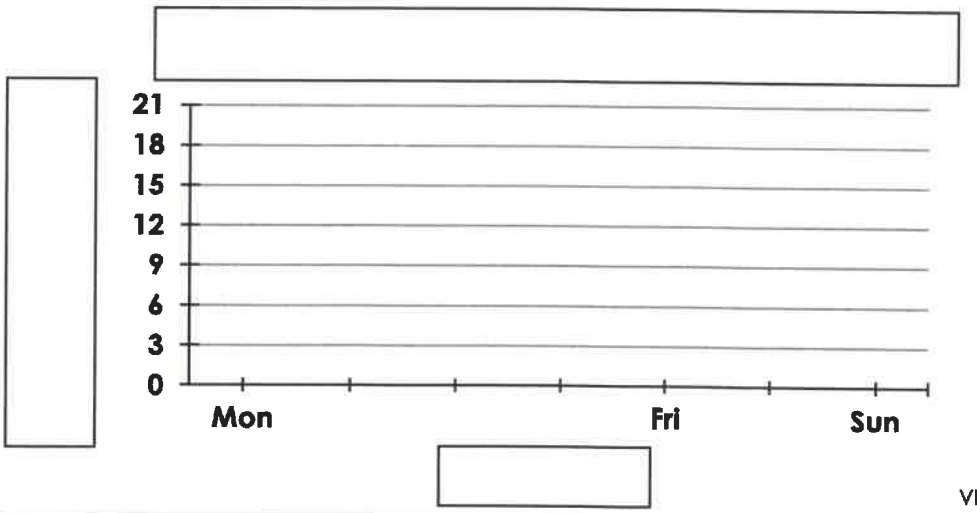


E

VF

6a. The table and line graph below show the average temperature in a week in Leeds. Complete the line graph by adding in the missing elements, including titles. Use the information in the table to help you.

Day	Temp (°C)
Mon	12
Tue	10
Wed	9
Thu	15
Fri	17
Sat	18
Sun	9



E

VF

Draw Line Graphs

7a. Gabriel is creating a line graph to show the population growth in London from 2015 to 2019.

The population in 2015 was 8,600,000 million. At its highest in 2019, it was 9,200,000 million. I will use intervals of 750,000 for the population axis.

Will his line graph work? Draw a line graph to help you explain why.

GD

R

Draw Line Graphs

7b. Mary is creating a line graph to show the average speed of a car in a 10 minute period.

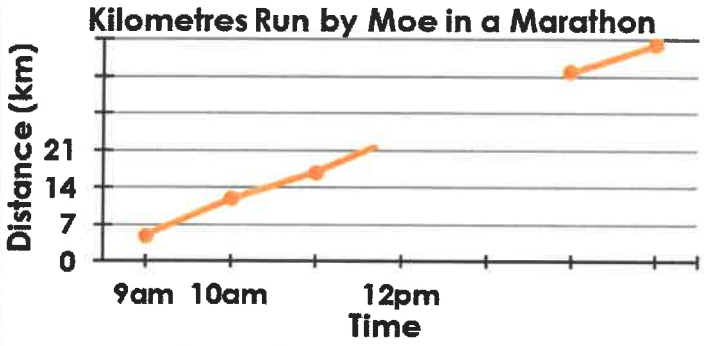
The average speed of the car was 23mph at 1 minute. It reached its maximum speed of 59mph at 10 minutes. I will use intervals of 18mph for the speed axis.

Will her line graph work? Draw a line graph to help you explain why.

GD

R

8a. Part of this line graph is missing. It should show from 9am to 3pm.

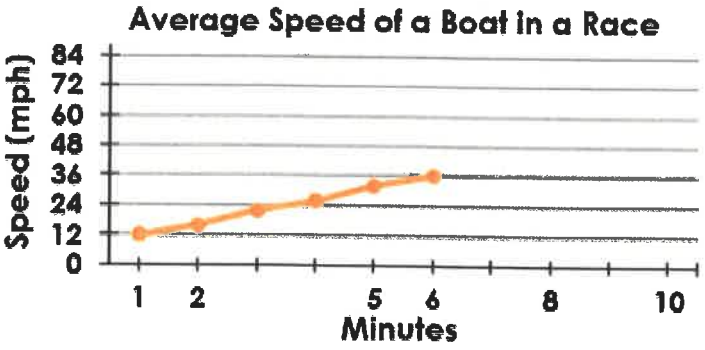


If the graph continues in the same way, when would Moe have run 29km? Draw the completed line graph.

GD

PS

8b. Part of this line graph is missing. It should show 10 minutes of the boat race.



If the graph continues in the same way, when will it reach an average speed of 46mph? Draw the completed line graph.

GD

PS

9a. Damon has created a line graph to show how many steps he took in a 5 hour period.

He says,

My line graph uses increments of 1,250 steps. The two titles I have used are 'Numbers of Steps' and 'Hour'. I walked a different distance between 950 and 1,200 steps every hour.

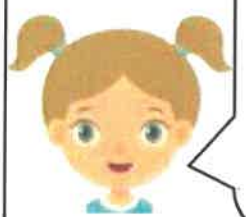
Use these pieces of information to draw a line graph.

GD

PS

9b. Pixie has created a line graph to show the number of kilometres she walked in 6 days.

She says,



My line graph uses increments of 4km. The two titles I have used are 'Distance (km)' and 'Day'. I walked 7km in total every 2 days. I walked a different distance each day.

Use these pieces of information to draw a line graph.

GD

PS