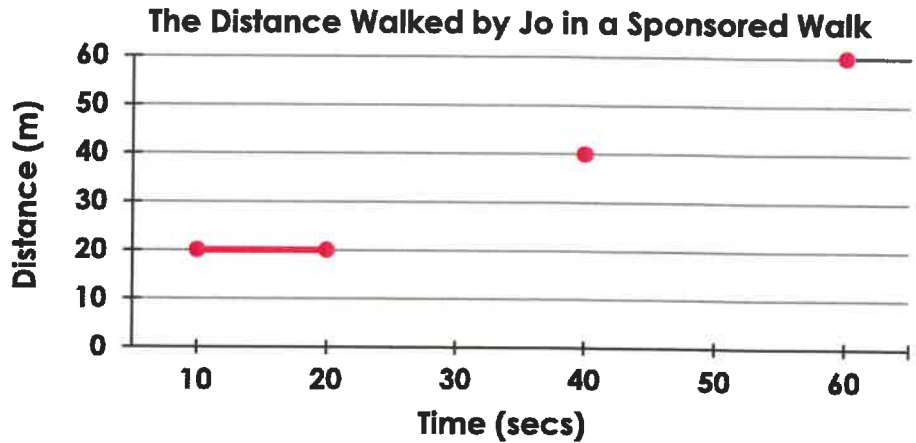


Lumley

Draw Line Graphs

1b. The table and line graph below show the distance Jo walked in a sponsored walk. Join the points in the line graph to estimate the missing distances in the table below.

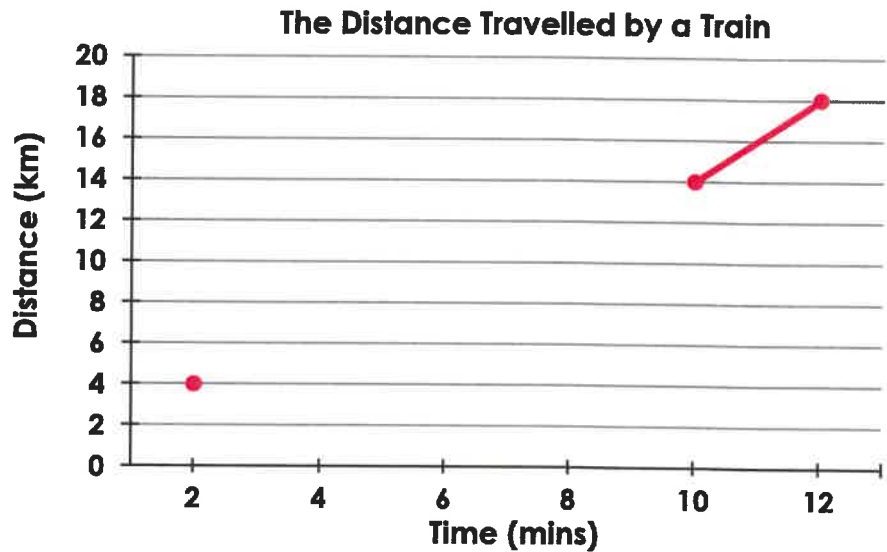
| Time (secs) | Distance (m) |
|-------------|--------------|
| 10 | 20 |
| 20 | 20 |
| 30 | |
| 40 | 40 |
| 50 | |
| 60 | 60 |



VF

2b. The table and line graph below show the distance travelled by a train. Use the information in the table to complete the line graph.

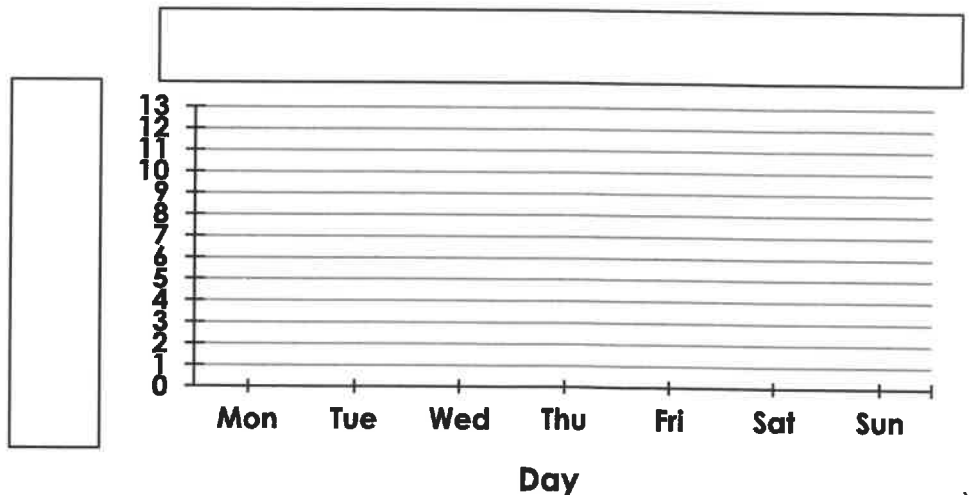
| Time (mins) | Distance (km) |
|-------------|---------------|
| 2 | 4 |
| 4 | 6 |
| 6 | 6 |
| 8 | 10 |
| 10 | 14 |
| 12 | 18 |



VF

3b. The table and line graph below show the average temperature in a week in York. Complete the line graph by adding in the missing elements, including titles. Use the information in the table to help you.

| Day | Temp ($^{\circ}$ C) |
|-----|----------------------|
| Mon | 12 |
| Tue | 13 |
| Wed | 10 |
| Thu | 9 |
| Fri | 9 |
| Sat | 8 |
| Sun | 11 |



VF

Draw Line Graphs

4a. Sammy is creating a line graph to show the population growth in Dublin from 2014 to 2018.



The population in 2014 was 1 million. At its highest in 2018, it was 1,200,000. I will use intervals of 100,000 for the population axis.

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



R

Draw Line Graphs

4b. Deanna is creating a line graph to show the average speed of a boat in a 10 minute period.



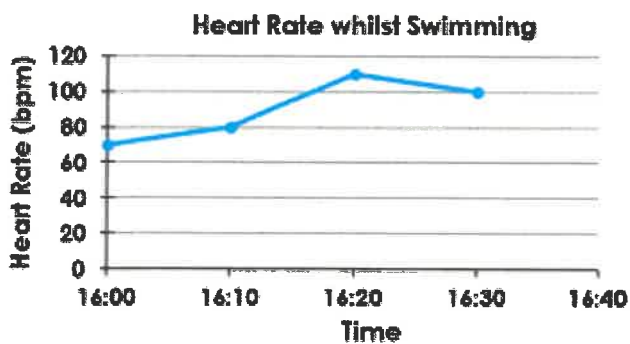
The speed of the boat was 10mph at 1 minute. It reached its maximum speed of 47mph at 10 minutes. I will use intervals of 20mph for the speed axis.

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



R

5a. Part of this line graph is missing. It should show heart rate over 40 minutes.

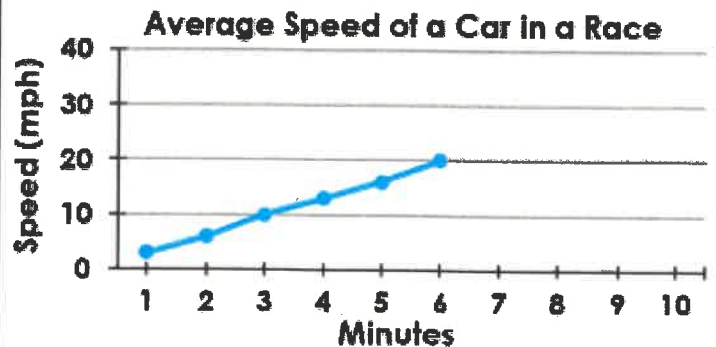


If the graph continues to fall at the same rate, what is the heart rate at 16:40? Draw the completed line graph.



PS

5b. Part of this line graph is missing. It should show 10 minutes of the car race.



If the graph continues in the same way, when will it reach an average speed of 30mph? Draw the completed line graph.



PS

6a. Axel 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 400 steps. The two titles I have used are 'Numbers of Steps' and 'Hour'. I walked 800 steps per hour.

Use these pieces of information to draw a line graph.



PS

6b. Katie has created a line graph to show the number of kilometres she walked in 5 days.

She says,



My line graph uses increments of 3km. The two titles I have used are 'Distance (km)' and 'Hour'. I walked 3km every hour.

Use these pieces of information to draw a line graph.



PS