

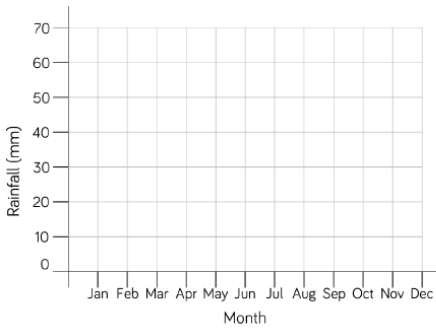
L.O.: I can reactivate my prior knowledge (...).



Keywords:
 statistics, graphs, line-graph, bar-graph, bar-chart, data, y-axis, x-axis, plot, read, along the corridor and up the stairs, ...

L.O.: I can draw line graphs.

The table shows average rainfall in Leicester over a year.
 Complete the graph using the information from the table.



Month	Rainfall (mm)
Jan	54
Feb	40
Mar	38
Apr	38
May	48
Jun	46
Jul	58
Aug	60
Sep	50
Oct	57
Nov	65
Dec	50

Think-Pair-Share

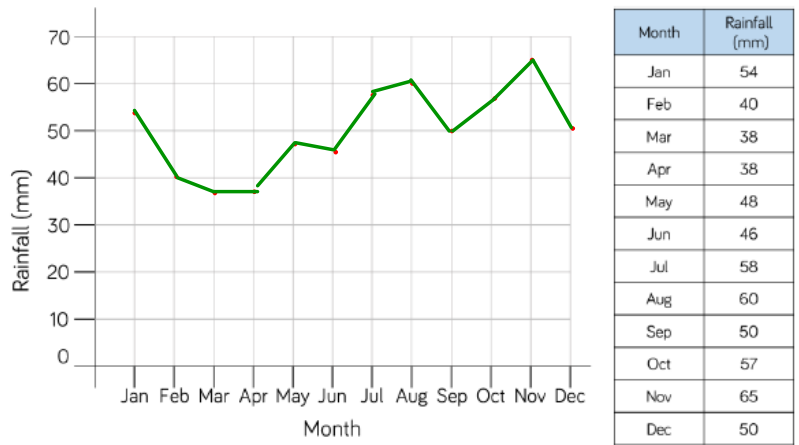
Questions:
 What intervals will you use?
 What will each square represent?
 What does the x axis represent?
 What does the y axis represent?
 Why are line graphs useful?
 What makes them different to other types of graphs? What data could we collect?

Sentence-Stems:
 - To correctly draw line-graphs you need to ...
 - Pay special attention to ..., because ...
Keywords:
 statistics, graphs, line-graph, bar-graph, bar-chart, data, y-axis, x-axis, plot, read, along the corridor and up the stairs, ...

L.O.: I can draw line graphs.

Let's draw!

The table shows average rainfall in Leicester over a year.
Complete the graph using the information from the table.



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Let's draw!

Distance

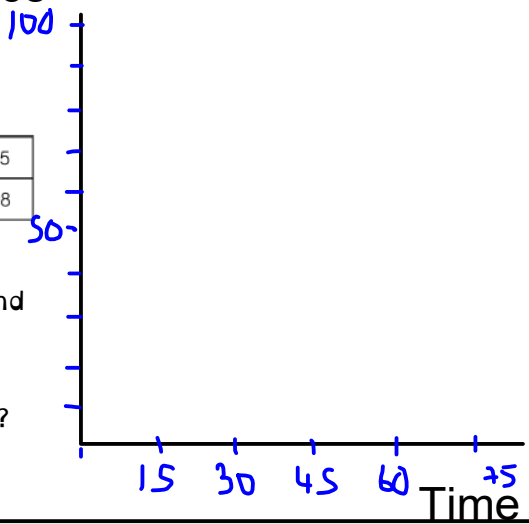
Here is a table of data.

Time (min)	15	30	45	60	75
Distance (km)	25	46	67	72	98

What labels will I give my x- and y-axis?

Which intervals would I choose?

Why?



Sentence-Stems:

- To correctly draw line-graphs you need to ...
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Keywords:

statistics, graphs, line-graph, bar-graph, bar-chart, data, y-axis, x-axis, plot, read, along the corridor and up the stairs, ...

L.O.: I can draw line graphs.

Let's draw!

Here is a table of data.

Time (min)	15	30	45	60	75
Distance (km)	25	46	67	72	98

What labels will I give my x- and y-axis?

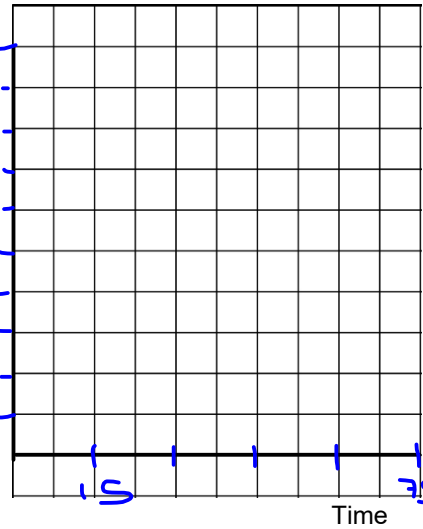
Which intervals would I choose?

Why?

Distance
(km)

100

50



Sentence-Stems:

- To correctly draw line-graphs you need to ...
- Pay special attention to ..., because ...

Keywords:
 statistics, graphs, line-graph, bar-graph, bar-chart, data, y-axis, x-axis, plot, read, along the corridor and up the stairs, ...

L.O.: I can draw line graphs.

Think-Pair-Share II: Moving on, how would you present this data in a line-graph? What are your steps to success?

When going on holidays, Aella used her new Smartphone to practise Math, because she knew that Mr Grundey would need some examples for the discussions in lesson. So she plotted the family's journey in a table.

X-axis time from leaving home (hours)	1	2	3	4	5	6	7	8
Distance from home (miles)	62	98	150	214	268	332	404	478

Questions:

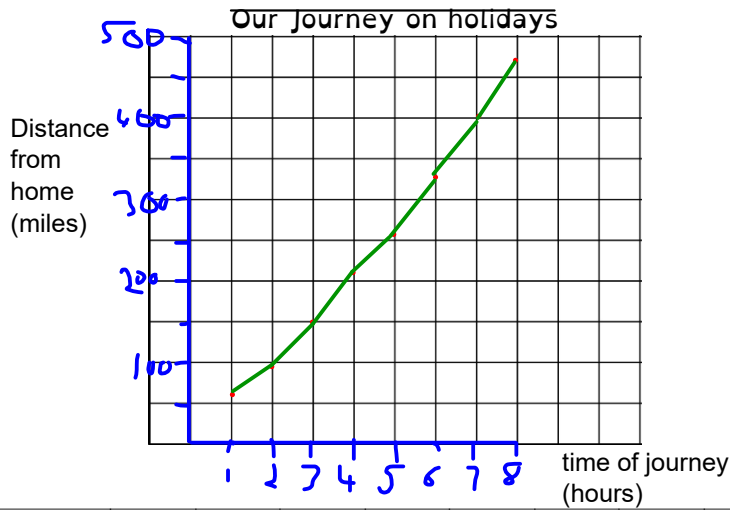
What intervals will you use? What will each square represent?
 What does the x axis represent? What does the y axis represent?
 Why are line graphs useful for such tasks? ...

Sentence-Stems:

- To correctly draw line-graphs you need to ...
- Pay special attention to ..., because ...

Keywords:
 statistics, graphs, line-graph, bar-graph, bar-chart, data, y-axis, x-axis, plot, read, along the corridor and up the stairs, ...

Let's draw! L.O.: I can draw line graphs.



X-axis time from leaving home (hours)	1	2	3	4	5	6	7	8
Distance from home (miles)	62	98	150	214	268	332	404	478

L.O.: I can draw line graphs.



Task: Complete the tasks from your sheet in your book.

Plenary



Write down your 3 top-tips for drawing line-graphs.



Sentence-Stems:

- To correctly draw line-graphs you need to ...
- Pay special attention to ..., because ...

Keywords:

statistics, graphs, line-graph, bar-graph, bar-chart, data, y-axis, x-axis, plot, read, along the corridor and up the stairs, ...