

To be able to draw line graphs

MathShed

Starter:
What's the same? What's different?

Rainfall in 2018	
Month	Precipitation (mm)
Jan	67
Feb	64
Mar	55
Apr	50
May	47
Jun	58

Rainfall in 2019	
Month	Precipitation (mm)
Jan	79
Feb	73
Mar	62
Apr	55
May	51
Jun	48

Explain your answer.

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Activity 1:
Plot points from the table provided.

Average monthly rainfall in Manchester

Month	Precipitation (mm)
Jan	72
Feb	51
Mar	61
Apr	54
May	57
Jun	66
Jul	63
Aug	77
Sep	72
Oct	93
Nov	82
Dec	81

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Activity 2:
Plot points from the table provided.

Currency Conversion: USD to INR

USD (\$)	Indian Rupee
1	70
2	140
3	210
4	280
5	350
6	420
7	490
8	560
9	630
10	700

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Activity 3:
How would you plot the following table's data as a line graph?

Time (seconds)	15	30	45	60	75
Distance (metres)	122	256	378	489	537

Which measurement would work best for the horizontal x-axis?
Which measurement would work best for the vertical y-axis?
Explain your answers, then plot as a line graph.

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Activity 4:
Research a topic relevant to your studies in another subject.

For example, if you're studying a certain country at the moment, changes in population sizes in that country or changes in its economic output could make a helpful line graph.

If you're studying deforestation, you could create a line graph charting deforestation in a certain forest, or you could plot the rise or fall of a certain species as a result of deforestation or reforestation...

It's up to you!

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Evaluation:

When plotting line graphs, one section of your data must end in zero.

Is Astrobee's statement sometimes, always or never true?
Explain your answer.