

To be able to read, interpret, draw and solve problems involving line graphs



Starter:

The chart shows precipitation in mm each month. Write a couple of sentences to explain what is happening to the precipitation levels throughout the year.

Month	Precipitation (mm)
Jan	52
Feb	49
Mar	69
Apr	92
May	105
Jun	103
Jul	102
Aug	101
Sep	84
Oct	82
Nov	87
Dec	65

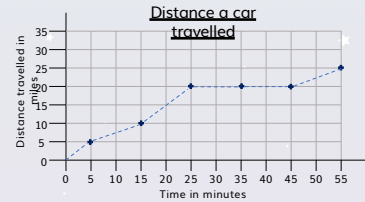
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Activity 1:

The line graph shows the distance a car travelled in miles.

- How far did the car travel in 15 minutes?
- How far did the car travel in 20 minutes?
- How long, in minutes, was the car stationary for?



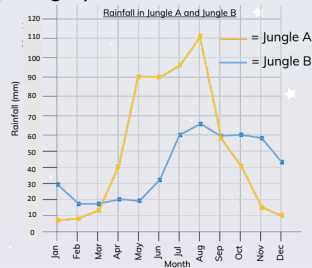
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Activity 2:

The line graph shows the amount of rainfall in Jungle A and B over a year.

- In how many months is there more than 80 mm of rainfall in Jungle B?
- In how many months is there 90mm or more rainfall in Jungle A?
- Which two months in Jungle A had the same amount of rainfall?

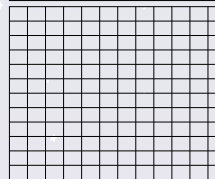


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Activity 3:

Time	8 am	10 am	12 noon	2 pm	4 pm	6 pm
Cakes at tuck shop	47	35	29	15	15	3



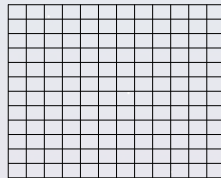
Draw a line graph to represent the information.

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Activity 4:

Chen is drawing a bath. At 0 minutes, he puts the plug in. From 0-7.5 minutes, he steadily fills the bath to 75 litres. After 2.5 minutes in the bath he decides he needs to add a bit more hot water so adds 10 more litres to the bath. This takes 2.5 minutes. He then spends another 10 minutes in the bath before he gets out and drains the bath fully. This takes 3 minutes.

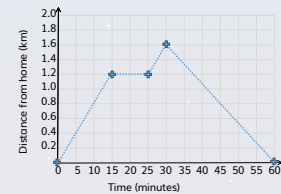
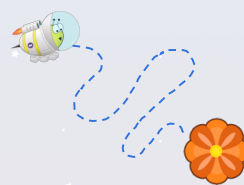


Draw the graph of Chen drawing his bath.

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Evaluation:



Astrobee has drawn a line graph showing his flight to get pollen from a nearby flower. What might have happened between 15 and 25 minutes.