

To be able to read and interpret line graphs

MathShed

Activity 1:
Answer the following questions.

- What was the temperature at 3:00 pm?
- What is the hottest recorded temperature?
- At what time was the temperature -4°C ?
- Estimate the temperature at 5:00 pm?
- At what time was the temperature -3°C ?

Time	Temperature (°C)
2:00 PM	5
3:00 PM	3
4:00 PM	2
5:00 PM	1
6:00 PM	0
7:00 PM	-3
8:00 PM	-5

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Activity 2:
Answer the following questions.

- What is the difference between the most and least amount of trees the forest has had?
- Which year saw a 10,000 decrease in trees?
- What do you think happened after 2016?

Year	Number of trees (thousands)
2012	40
2013	30
2014	25
2015	20
2016	25
2017	30
2018	30

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Activity 3:
Answer the following questions.

- In which month did both shops sell the same number of shoes?
- How many more shoes did Front Foot sell than Super Shoes in May?
- Another shoe shop – Best Foot Forward – sold 5,000 less shoes than Front Foot each month, plot their line on the graph.

Month	Front Foot	Super Shoes
March	10,000	20,000
April	15,000	25,000
May	25,000	15,000
June	25,000	25,000
July	40,000	35,000
August	35,000	40,000
September	20,000	30,000

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Activity 4:
Match the labels to the correct graph.

A plane is parked on a runway that isn't at its home airport.

A plane flies halfway to another destination, but has to come back.

A plane is flying away from its base at a steady rate of 500 miles per hour.

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Evaluation:

The temperature is warmer at 3 pm than it is at 4 pm.

Time	Temperature (°C)
2:00 pm	5
3:00 pm	5
4:00 pm	4
5:00 pm	2
6:00 pm	1
7:00 pm	-1
8:00 pm	-2
9:00 pm	-3

Is Astrobee's statement true or false?
Explain your answer.