

To be able to read and interpret line graphs

**MathShed**

**Starter:**  
Look at the line graph provided, which measurement doesn't belong?

Explain your answer.

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**Activity 1:**  
Answer the following questions.

- What was the temperature at 3:00 pm?
- What is the coldest recorded temperature?
- At what time was the temperature  $-2.5^{\circ}\text{C}$ ?
- Estimate the temperature at 6:30 pm?
- At what time was the temperature  $3.5^{\circ}\text{C}$ ?

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**Activity 2:**  
Answer the following questions.

- What is the difference between the most and least amounts of cars on the town's roads?
- Which months saw a 10,000 increase in cars?
- What do you think happened after March?

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**Activity 3:**  
Answer the following questions.

- In which month did both shops sell the same number of hats?
- How many more hats did Cap Chap sell than Top Hat in April?
- Another hat shop – Lit Lids – sold 5,000 more hats than Cap Chap each month, plot their line on the graph.

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**Activity 4:**  
Write your own questions based in the line graph below.

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**Evaluation:**

The purple boat is the most expensive boat.

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