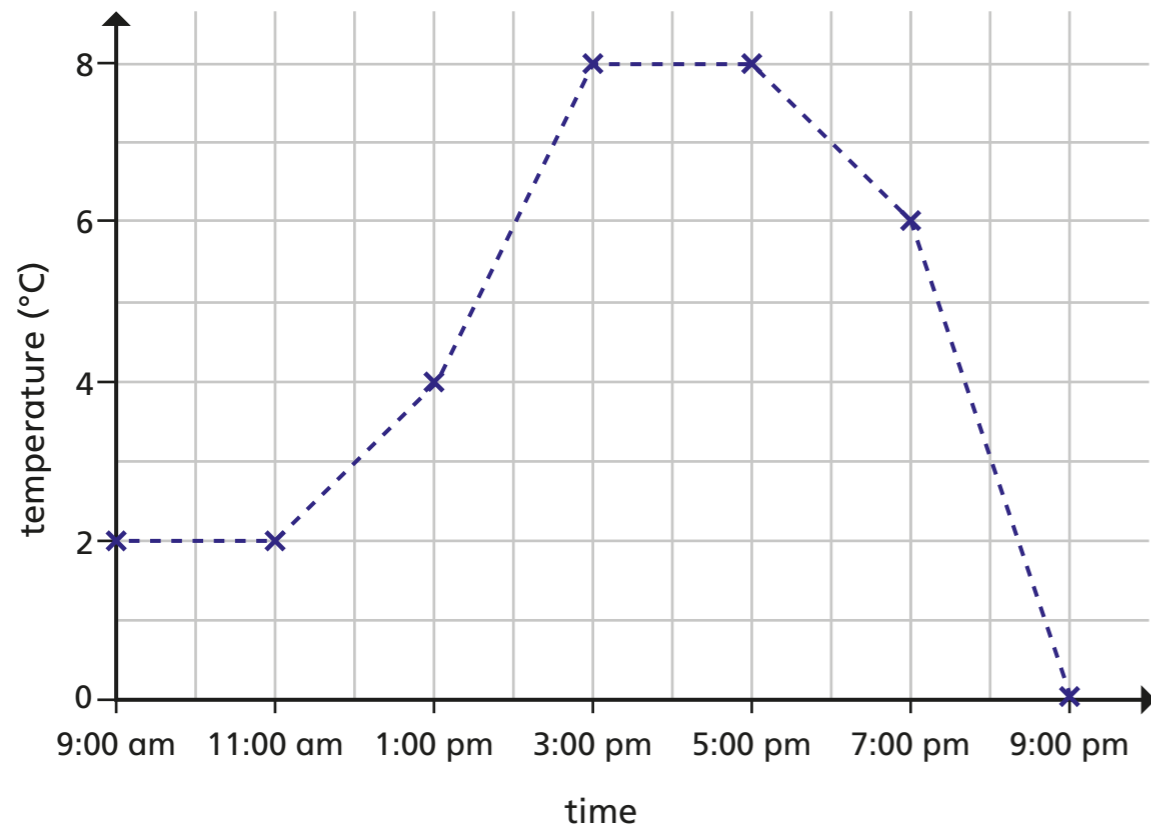


# Read and interpret line graphs

1 The graph shows the temperature in Birmingham on one day.



a) What was the temperature at 1:00 pm?

b) What was the difference in temperature between 11:00 am and 1:00 pm?

c) Between which times was the temperature increasing?

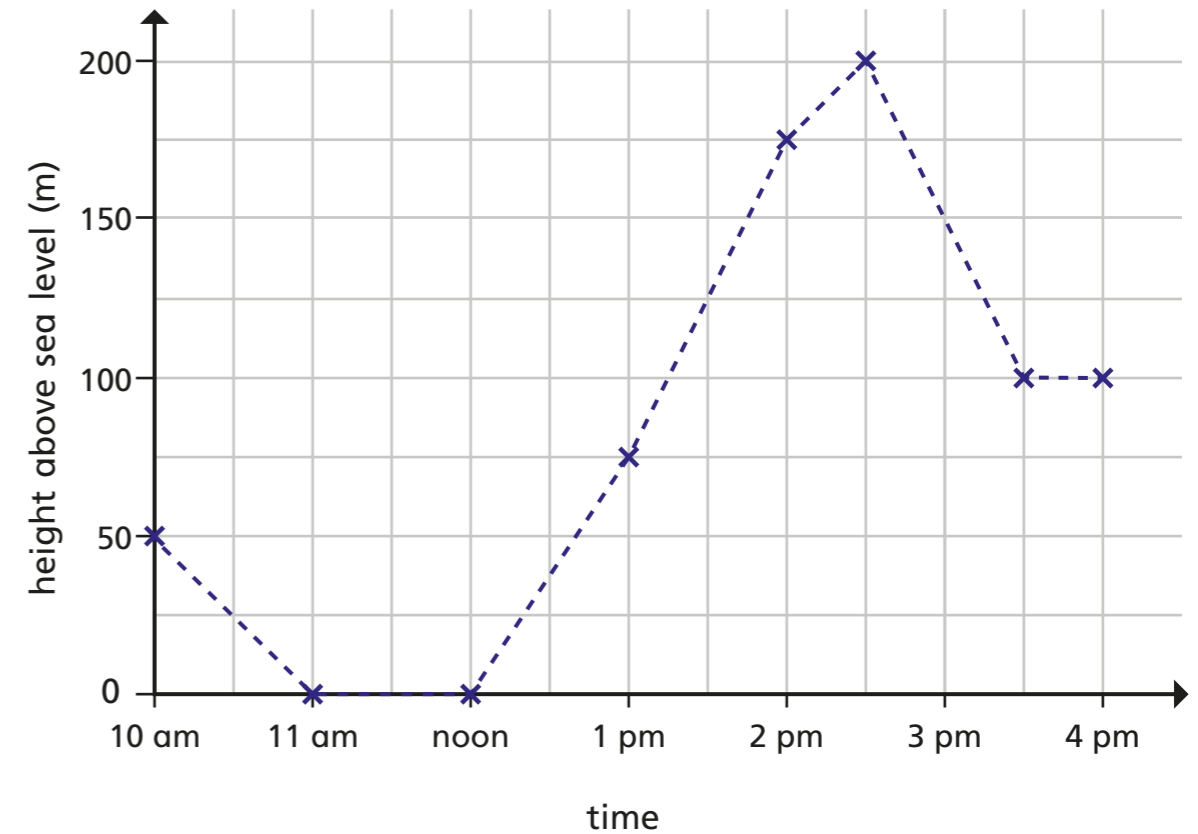
\_\_\_\_\_

d) How often was the temperature recorded?

\_\_\_\_\_

2 Aisha goes for a walk.

The graph shows the height above sea level during her walk.



a) What was the height above sea level where Aisha was walking at 2 pm?

b) At what time in Aisha's walk was she standing 200 m above sea level?

c) Part of the walk was along a beach.  
Between which times did Aisha walk along the beach?

\_\_\_\_\_

How do you know? Talk about it with a partner.

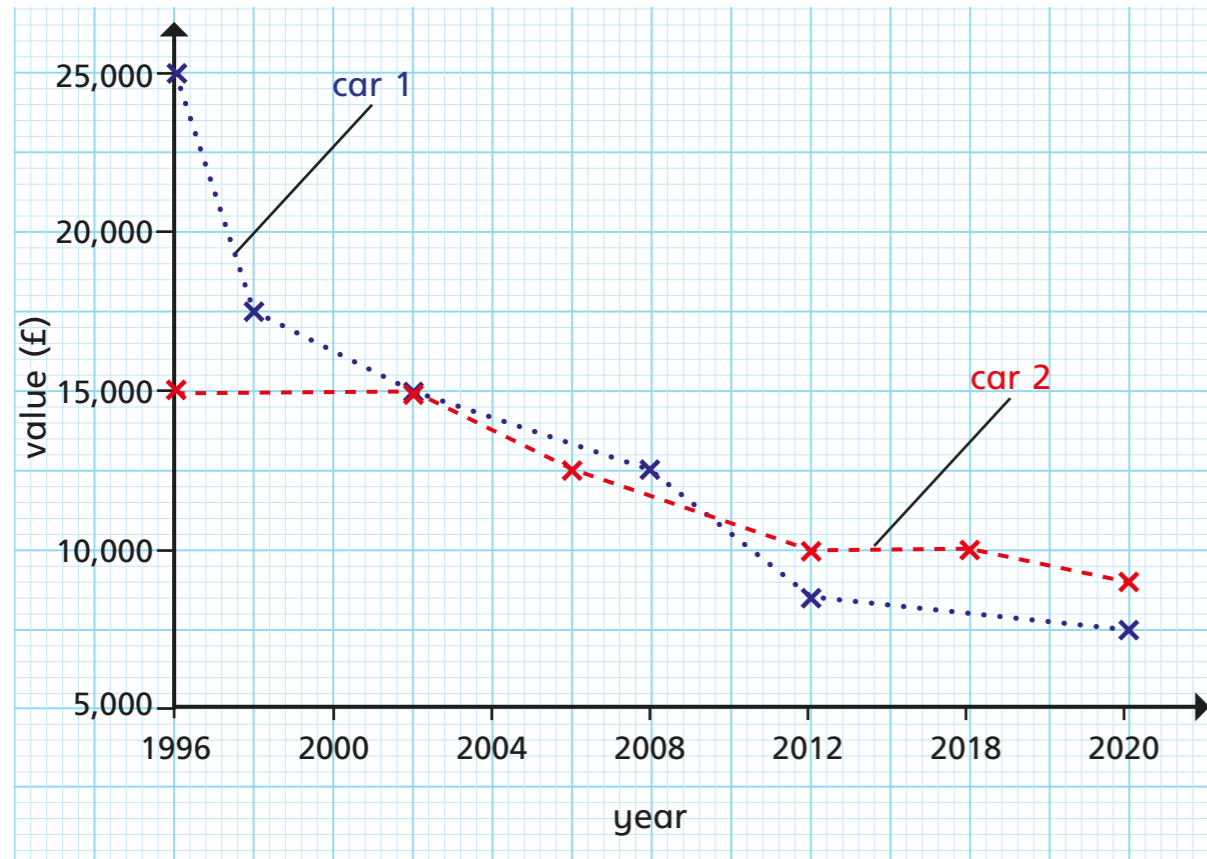
d) Did the walk start and finish in the same place?

Explain how you know.


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\_\_\_\_\_

3 The graph shows the values of two cars over time.



- a) In which year was the recorded value of the cars the same?
- b) In which two years was the difference in the recorded values of the two cars the same? \_\_\_\_\_
- c) Which car's value decreased the most between 1996 and 2020? \_\_\_\_\_
- d) For approximately how many years was the value of car 2 greater than the value of car 1? approximately  years

e)  The value of car 2 halved between 1996 and 2012

Do you agree with Jack? \_\_\_\_\_

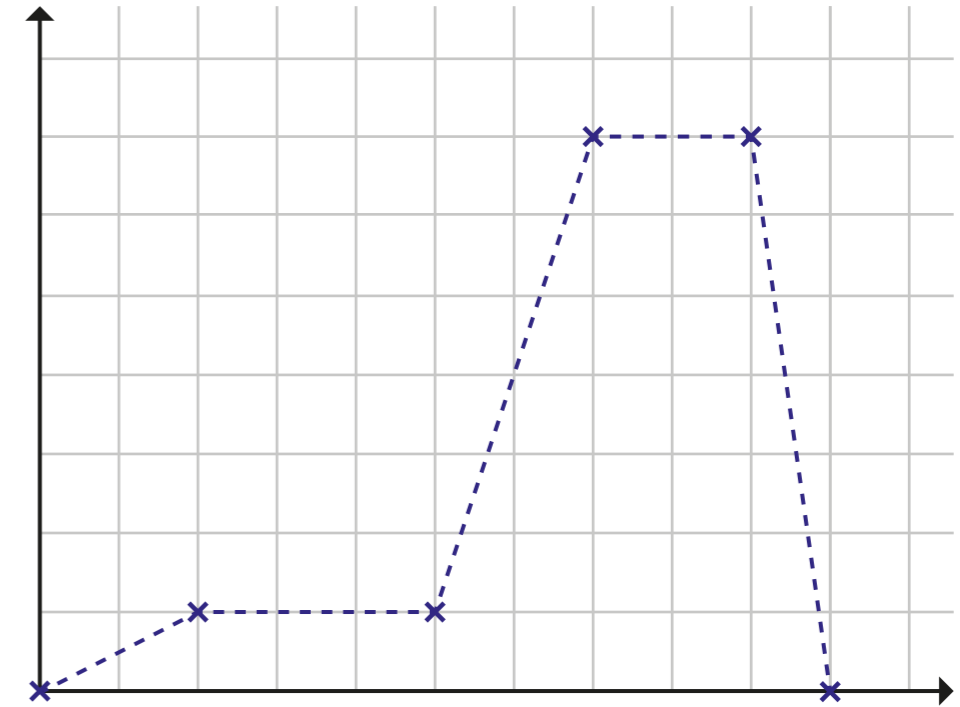
Explain your answer.

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4 Here is a line graph.



- a) What could be happening in the graph?  
Write a story to match it.  
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\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_
- b) What would the  $x$ -axis be labelled for your story?  
\_\_\_\_\_
- c) What would the  $y$ -axis be labelled for your story?  
\_\_\_\_\_
- d) Write two questions that you could ask a partner about your story.  
\_\_\_\_\_  
\_\_\_\_\_

