Reasoning and problem solving

This page does not need to be printed. Write the short date you do the work and the above question in your maths book.

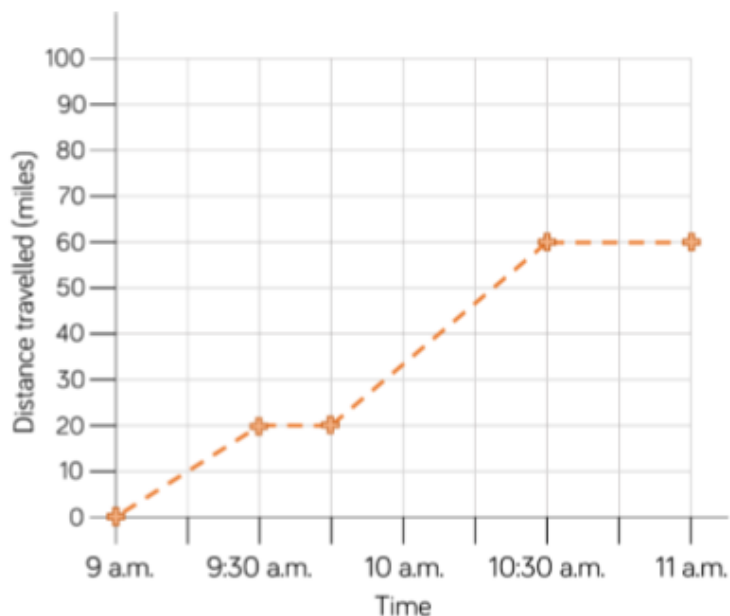1) Eva measured the temperature of a cup of tea every 30 minutes for 2 hours. The graph shows Eva's results.
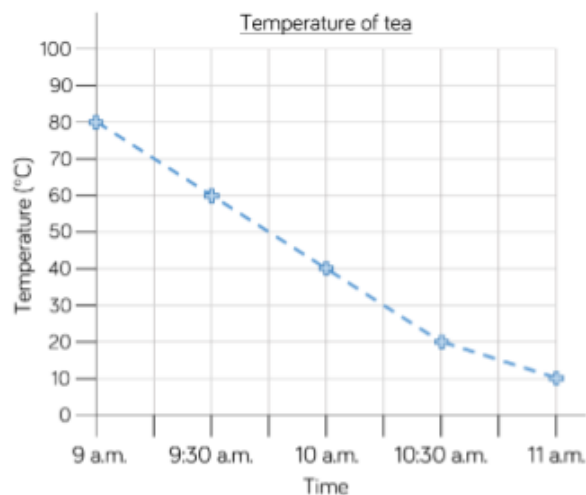
Temperature of tea

Eva says,

> In the first 45 minutes the temperature of the tea had dropped by 20 degrees.

Do you agree with Eva?
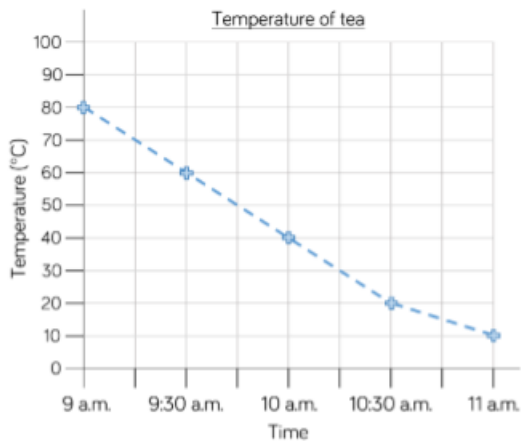Explain why.

2) Write a story to match the graph.

Line Graphs

Reasoning and Problem Solving

Eva measured the temperature of a cup of tea every 30 minutes for 2 hours. The graph shows Eva's results.
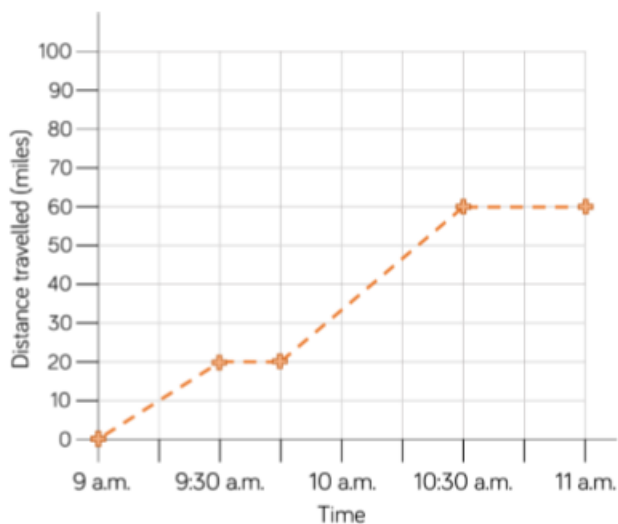
Temperature of tea

Eva says,

In the first 45 minutes the temperature of the tea had dropped by 20 degrees.

Do you agree with Eva? Explain why.

I do not agree with Eva. At 9 a.m. the temperature was 80 degrees and at 9.45 a.m. the temperature was 50 degrees, so it had dropped 30 degrees not 20 degrees.

Write a story to match the graph.

Example story:
Mo drove 20 miles in his lorry. At half past 9 he had a 15 minute rest then drove for another 30 miles until he reached his destination at 10:30 a.m.