

**Starter**

What goes next in each sequence?

87, 187, 287,  ,  ,  ,

0.6, 0.7, 0.8,  ,  ,  ,

6, 4, 2,  ,  ,  ,

8452, 7452, 6452,  ,  ,  ,

873, 763, 653,  ,  ,  ,

Canonbury Home Learning  
**Year 4/5 Maths**  
**Steppingstone activity**



**Summer week 8 Lesson 4 – 18.06.20**

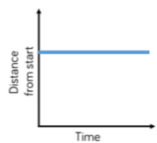
**LO: To solve problems involving line graphs**

**Success Criteria:**

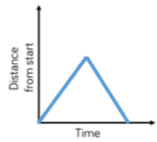
1. Look at the 2 axis and work out what the graph is about
2. Look at the shape of the line at different times- what does this tell you about what is happening?
3. Why might the car stop? Where could they be? Why might the line be steep, what is happening?

**Model:**

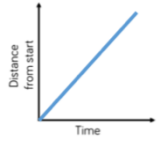
Match the graph to the activity.



A car travels at constant speed on the motorway.



A car is parked outside a house.



A car drives to the end of the road and back.

The first graph matches with the second statement.  
Second graph with the third statement.  
Third graph with the first statement.

The first graph shows a horizontal line, over a period of time its distance travelled hasn't changed therefore it can't be moving so it must be parked outside a house.

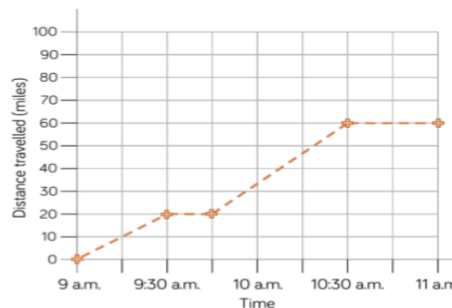
The second graph shows that the car travels from it's start point to a distance at the point of the triangle, it then travels back to where it started, therefore it has driven to the end of the road and back.

The third graph shows a constantly increasing distance over a period of time, it must therefore be travelling at a constant speed on a motorway.

**Now complete this:**

**Write a story to describe this graph**

- Remember to think about what happened at each time and mention distance travelled.



**Example story:**

Mo drove 20 miles in his lorry. At half past 9 he had a 15minute rest at a service station and got some petrol. He then drove at a constant speed for another 40 miles along the motorway until he reached his destination at 10:30 a.m, he parked his car and was still stationary at 11.am.

Mild

- 4a. True
- 4b. True
- 5a. 30 minutes
- 5b. 355
- 6a. August
- 6b. 60

Spicy

- 4a. 9th
- 4b. September
- 5a. February; April; February; June/February
- 5b. 115; 14
- 6a. A) Definitely true because Yasmin ran a total of 70km and Xavier ran a total of 62km.  
B) Possibly true because there is no indication of how fast either runner ran.  
C) Definitely true because Yasmin ran 16km on Tuesday. The furthest than Xavier ran in one day was 14km.
- 6b. A) Possibly true because there were more red and blue cars at this time but we don't know how many other coloured cars there were.  
B) Definitely true because 33 cars were seen between 9am and 11am and 20 were seen between 11am and 12pm.  
C) Definitely false because there were 38 red cards seen between 9am and 11am. The rest of the cars were seen in the afternoon.

Red Hot

- 7a. Thursday
- 7b. 1pm
- 8a. Monday; Thursday; 51
- 8b. Luca; 4
- 9a. A) Definitely true because in every week there were more worms in section 1 than the other sections.  
B) Possibly true because there were fewer worms in week 3 than in the other weeks.  
C) Definitely false because there were more worms in section 4 in than section 3 in week 4.
- 9b. A) Possibly true because there was no one watching at 6pm.  
B) Definitely true because there were 18,000 people watching channel 46 and only 13,000 people watching channel 48.  
C) Possibly true because the total number of people watching these channels at 8pm was 54 thousand. Other channels may have been watched at 8pm that are not included on the graph.