

Y6 Wednesday

Hello,

We continue our data handling investigations looking at continuous line graphs (**twinkl**) today:



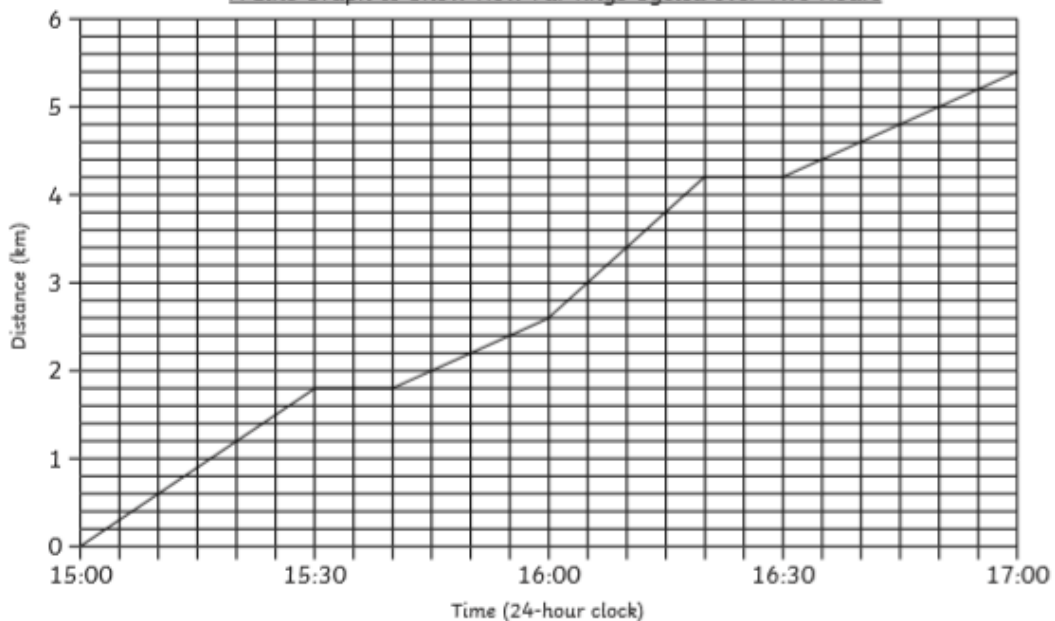
Cycle Ride Line Graphs

I can read and interpret line graphs.

Here is a table of data showing how far Rhys cycled over two hours.

Time (24-hour clock)	15:00	15:10	15:20	15:30	15:40	15:50	16:00	16:10	16:20	16:30	16:40	16:50	17:00
Distance (km)	0	0.6	1.2	1.8	1.8	2.2	2.6	3.4	4.2	4.2	4.6	5	5.4

A Line Graph to Show How Far Rhys Cycled over Two Hours



Use the line graph that Rhys made with this data to answer the questions:

- 1) How far had Rhys cycled by 15:55?

- 2) How many minutes did it take Rhys to cycle 3.4km?

- 3) At what time did Rhys stop cycling to have his first rest?

- 4) How many km did Rhys cycle from 15:45 to 16:05?

- 5) How many km did Rhys cycle from 16:05 to 16:20?

- 6) How many minutes did it take Rhys to cycle from 2km to 3km?

- 7) How many minutes did it take Rhys to cycle from 3.4km to 5.4km?

- 8) How many minutes did Rhys rest for at 4.2km?

Mark this first by scrolling down before moving on to the next question which shows two different lines of data on the same graph.

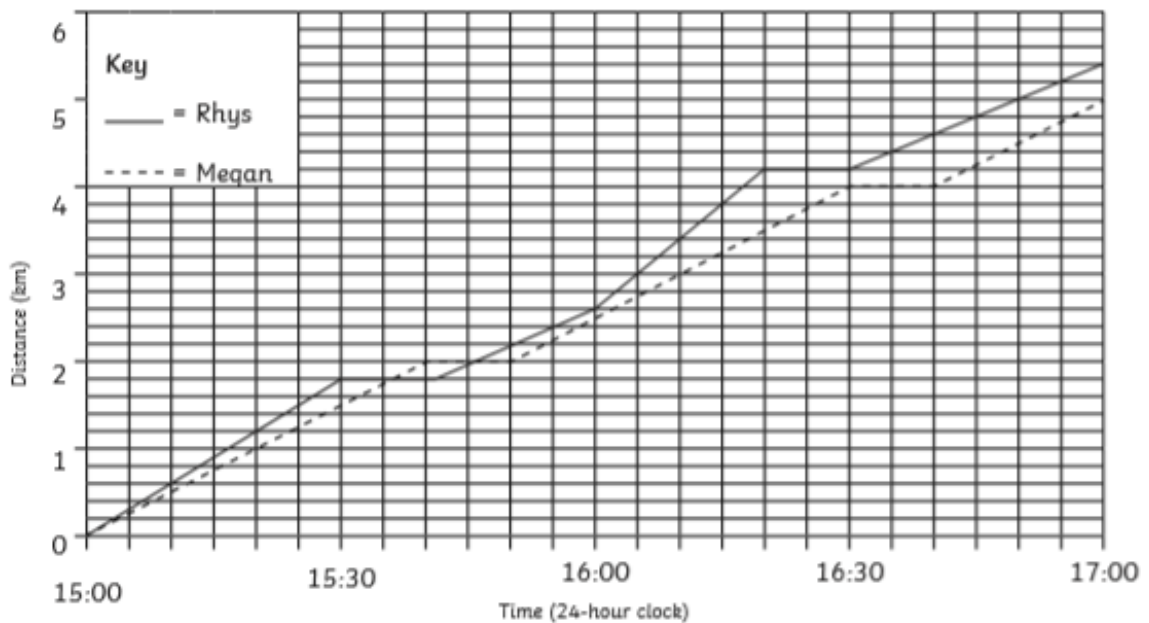
I can read and interpret line graphs.



Here is the table of data showing how far Rhys and Megan cycled over two hours.

Time (24-hour clock)	15:00	15:10	15:20	15:30	15:40	15:50	16:00	16:10	16:20	16:30	16:40	16:50	17:00
Rhys's Distance (km)	0	0.6	1.2	1.8	1.8	2.2	2.6	3.4	4.2	4.2	4.6	5	5.4
Megan's Distance (km)	0	0.4	1	1.4	2	2	2.4	3	3.6	4	4	4.4	5

A Line Graph to Show How Far Rhys and Megan Cycled over Two Hours



Use the line graph that Rhys and Megan made with their data to answer the questions:

- How far had Megan cycled by 15:55?

- How many minutes did it take Megan to cycle 3.8km?

- At what time did Rhys stop cycling to have his second rest?

- At what time did Megan stop cycling to have her first rest?

- How much further had Rhys cycled than Megan at 16:10?

- Did Rhys increase or decrease his lead from 16:10 to 16:20? By how much?

- How many minutes did it take Megan to cycle from 3km to 4km?

- For how many km was Megan in the lead?

(twinkl)

How did you do?

Scroll down for answers:



Cycle Ride Line Graphs **Answers**

Question	Answer
1.	How far had Rhys cycled by 15:55?
	2.4km
2.	How many minutes did it take Rhys to cycle 3.4km?
	70 minutes
3.	At what time did Rhys stop cycling to have his first rest?
	15:30
4.	How many km did Rhys cycle from 15:45 to 16:05?
	1km
5.	How many km did Rhys cycle from 16:05 to 16:20?
	1.2km
6.	How many minutes did it take Rhys to cycle from 2km to 3km?
	20 minutes
7.	How many minutes did it take Rhys to cycle from 3.4km to 5.4km?
	50 minutes
8.	How many minutes did Rhys rest for at 4.2km?
	10 minutes

Scroll down....

Question	Answer
1. How far had Megan cycled by 15:55?	2.2km
2. How many minutes did it take Megan to cycle 3.8km?	85 minutes
3. At what time did Rhys stop cycling to have his second rest?	16:20
4. At what time did Megan stop cycling to have her first rest?	15:40
5. How much further had Rhys cycled than Megan at 16:10?	0.4km
6. Did Rhys increase or decrease his lead from 16:10 to 16:20? By how much?	He increased his lead by 0.2km, to 0.6km.
7. How many minutes did it take Megan to cycle from 3km to 4km?	20 minutes
8. For how many km was Megan in the lead?	0.2km