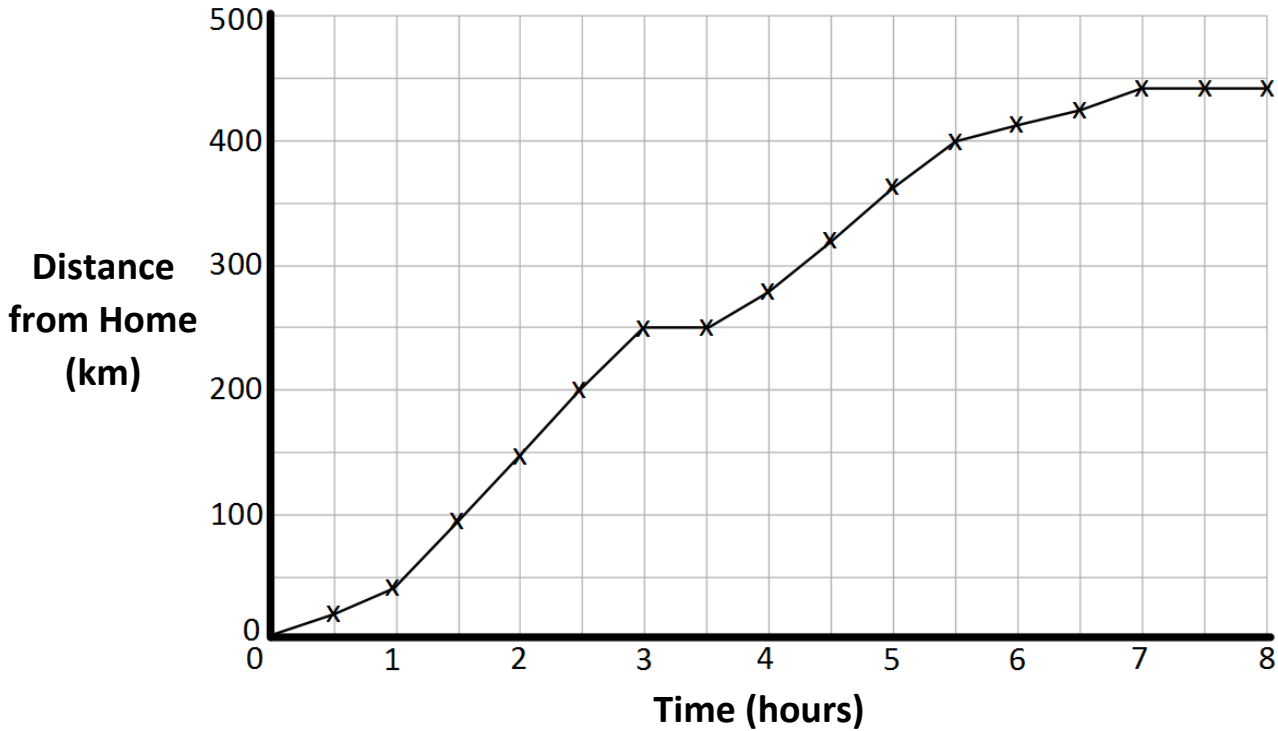


Worksheet 3

On a journey from their home to visit a relative in Wales, Jack recorded the distance his family had driven every 30 minutes. He put his findings onto this time graph:



Now answer the following questions about this time graph:

How long did it take Jack to get **200 km** away from home?



Estimate how far they had travelled after **5 hours**:

 km

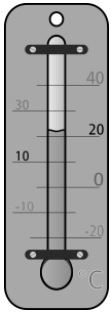
Estimate how long it took Jack to get **300 km** from home:

Give a possible reason why the distance travelled **did not change** between **3** and **3½** hours:

How long do you think it took Jack to arrive at his relative's home?

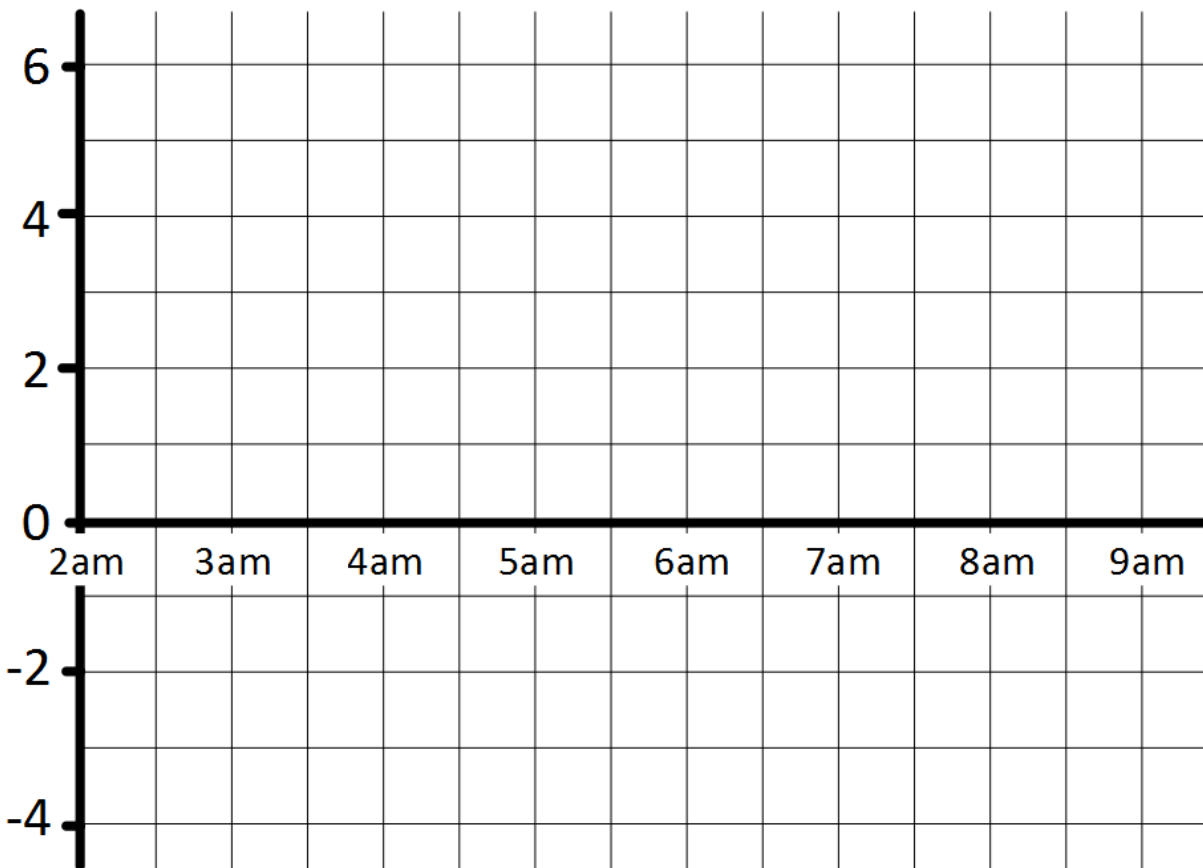
Explain why you think this:

This table shows temperatures on one morning in January:



Time	Temperature (°C)
2 am	-4
3 am	-2.5
4 am	-1
5 am	0
6 am	2
7 am	2.8
8 am	4
9 am	5.6

Use this information to **label** and then draw the **line** onto this **time graph**. Draw the points on the graph and then join them up using straight lines and a ruler.



Now write four questions for a partner to answer:

1. _____
2. _____
3. _____
4. _____

This table shows Danny's heart rate over a 30-minute period:



Time (minutes)	Heart Rate (bpm)
0	62
5	85
10	124
15	155
20	99
25	80
30	72

Use this information to create a **time graph** to show Danny's heart rate over time. Remember that your time graph needs: a **title**, two **axes**, **labels**, a **scale** and an accurately drawn **line** (plan you axes carefully – does the heart rate scale need to start at zero?)



Now write four questions for a partner to answer:

1. _____
2. _____
3. _____
4. _____