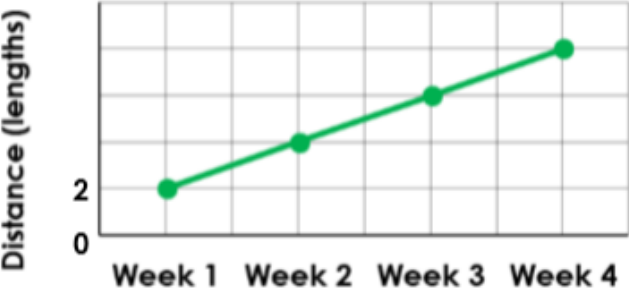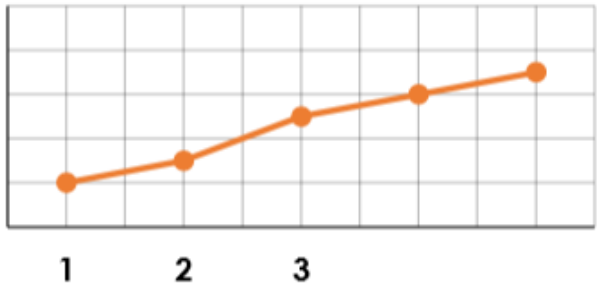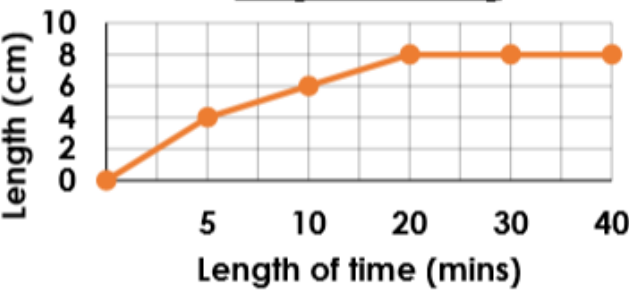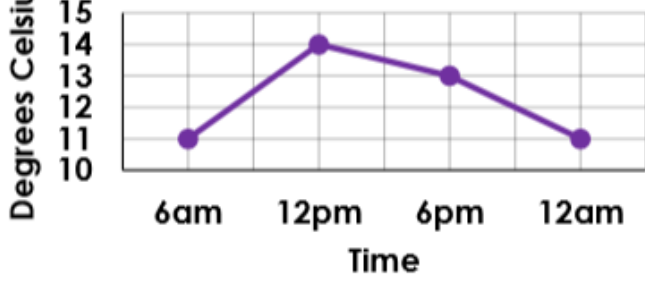**Monday**

Mental Arithmetic:

I would like you all to spend some time on Times Tables Rockstars today. Please try and spend at least **30 minutes on TTRs**. It is up to you what you choose to go on, but I would like you to complete another **soundcheck** today so that I can see how you are doing. Your login is the same as the one you use in school. https://play.ttrockstars.com/auth

This week, you will be looking at line graphs which show continuous data. Last week you looked at discrete data. Can you remember the difference between these and write a definition?

Tuesday (Varied Fluency)

Focus: to interpret data using line graphs

If the graphs above have something missing (hint, they will) please can you redraw them correctly.
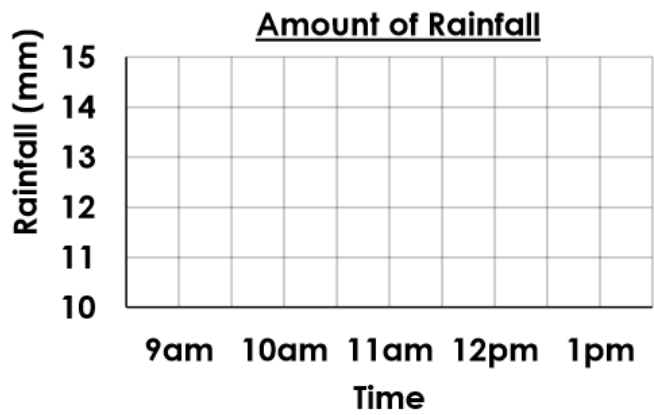
Wednesday (Varied Fluency)

Focus: to present data using an appropriate graph

You are going to need to either draw out the graph or print out the page so that you can plot the data correctly.
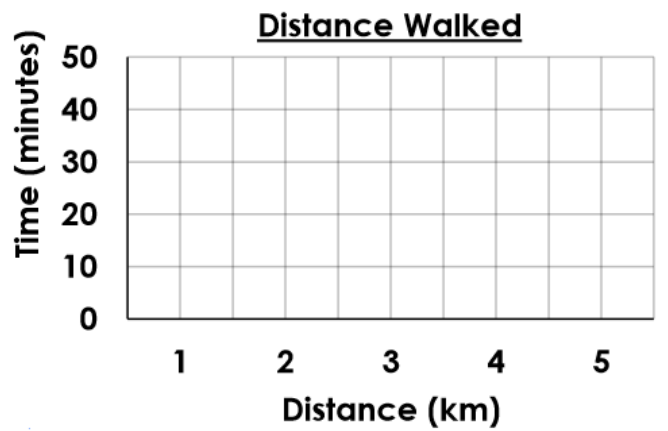
a. Use the data to complete the line graph.

9am	10am	11am	12pm	1pm
10	30	45	40	50

Amount of Rainfall

Rainfall (mm): 15, 14, 13, 12, 11, 10

9am 10am 11am 12pm 1pm

Time

b. Use the data to complete the line graph.

1km	2km	3km	4km	5km
10	25	30	40	50

Distance Walked

Time (minutes): 50, 40, 30, 20, 10, 0

1 2 3 4 5

Distance (km)

Thursday

Focus: to interpret data using line graphs

a. How many seconds did it take to run from 20m to 50m?

Speed of a Runner

Time Taken (seconds): 14, 12, 10, 8, 6, 4, 2, 0

Distance Run (metres): 0, 10, 20, 30, 40, 50, 60, 70

b. How many kilometres did the boat travel between 3 and 5 hours?

Distance Travelled

Distance (km): 100, 90, 80, 70, 60, 50, 40, 30, 20, 10, 0

Time (Hours): 0, 1, 2, 3, 4, 5, 6
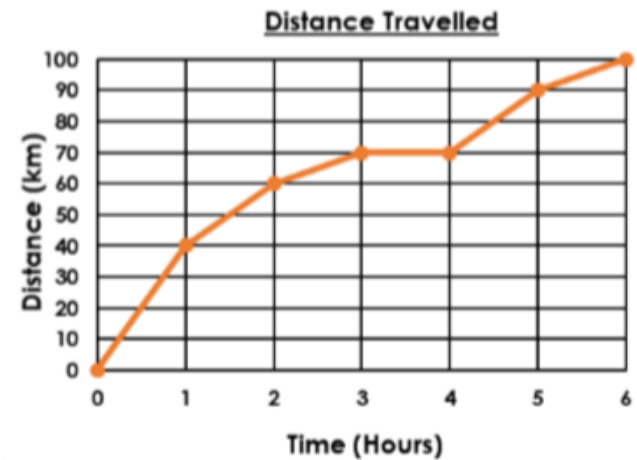
a. True or false? The distance the tide had travelled at 10am was twice what it was at 4pm.

Tide Changes on a Beach

Distance from marker (m): 80, 70, 60, 50, 40, 30, 20, 10, 0

Time of day: 8am, 10am, 12pm, 2pm, 4pm, 6pm, 8pm
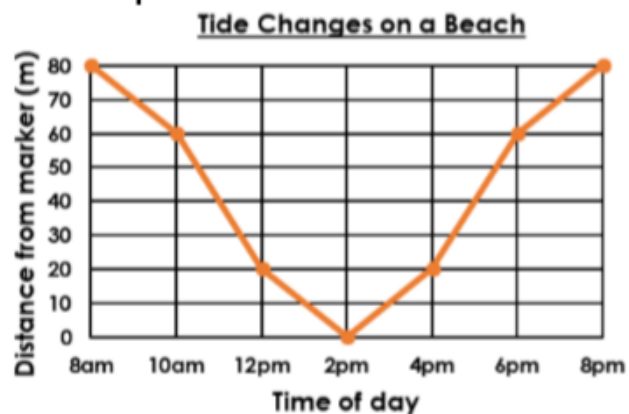
b. True or false? The number of trees in 1990 was double the number of trees in 1960.

Growth of a Forest

Number of trees (millions): 16, 14, 12, 10, 8, 6, 4, 2, 0

Year: 1960, 1970, 1980, 1990, 2000, 2010
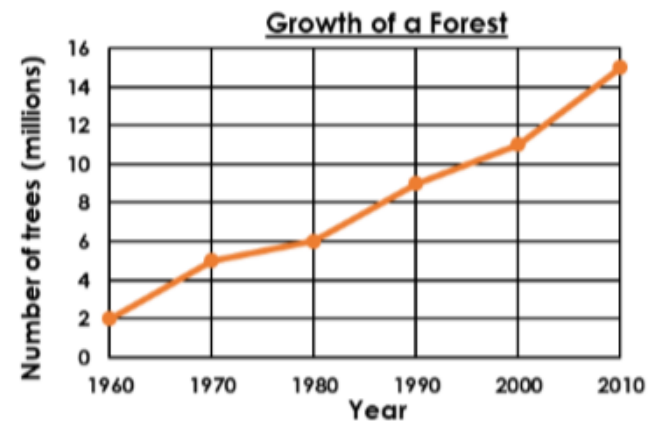
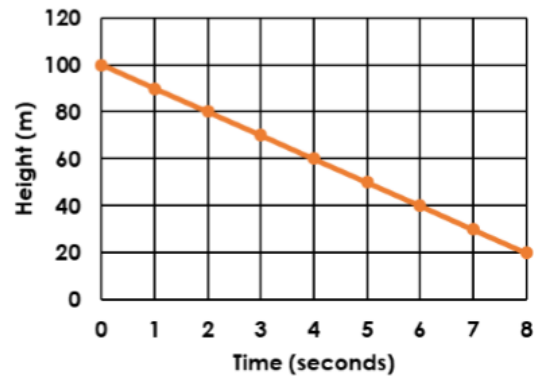**a. How many kilograms did the bear lose between October and March?**

Weight of a Hibernating Bear
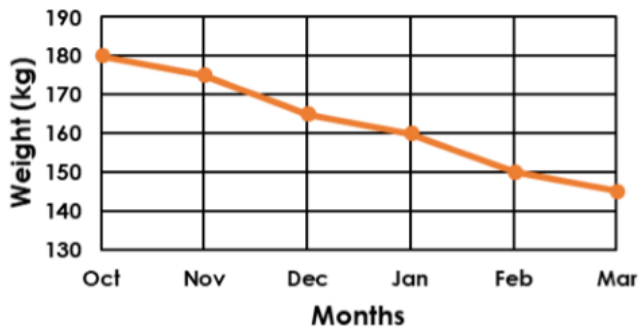
| 180kg | 50kg | 35kg | 130kg |

b. How many metres did the ball drop between 0 and 5 seconds?

Speed of a Ball Dropped from a Tower

| 14m | 50m | 12m | 10m |

Friday

Challenge Friday! Now that you are more familiar with graphs and charts, have a go at answering the following **reasoning questions.** Remember that this means you need to try and **explain** your answer.
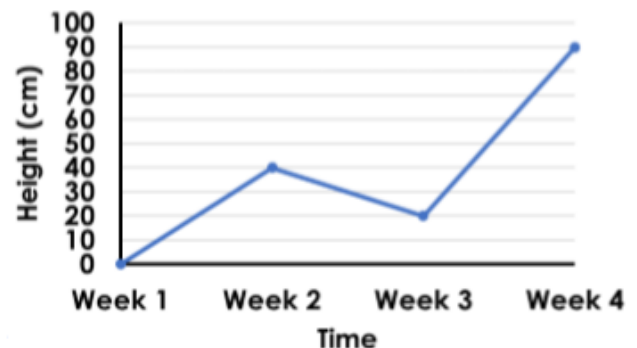
a. Ibrahim makes a line graph to show how the temperature in a room increased at first, was hottest in the early afternoon and cooled off again later on. Is it correct? Explain your answer.
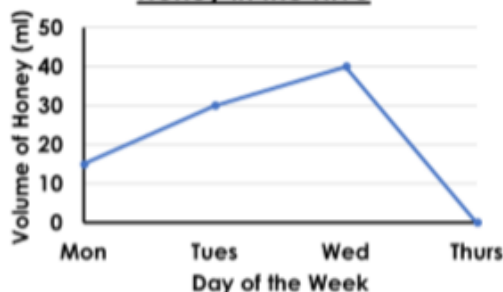
Temperature in Room
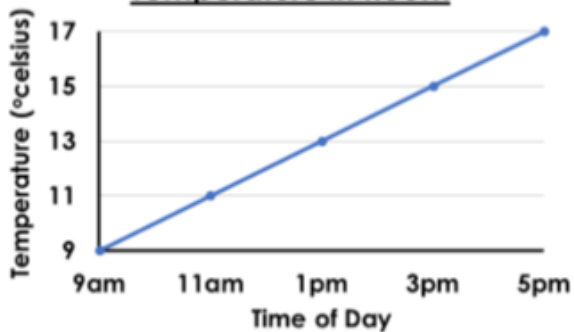
b. Isma makes a line graph to show the growth in height of a sunflower over a month. Is it correct? Explain your answer.

Growth of Sunflower

a.

Honey in the Hive

On Wednesday, there was 40ml of honey.

Hakeem

Thursday is honey collection day.

Explain who is correct.   Hannah

b.

Water in a Reservoir

The water increases as the year goes on.

Mylo

The most water was recorded in April.

Explain who is correct.   Luke