Canonbury Home Learning

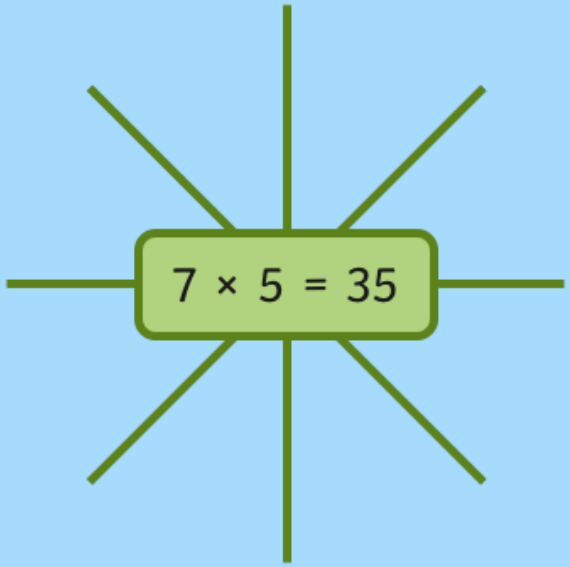
Year 4/5 Maths

Summer week 8 Lesson 3 – 17.06.20

Starter

Time yourself for 5 minutes – how many number facts can you make using the number sentence given, remember to include a range of calculations including inverse operations.

Use the number fact given to work out linked facts e.g. 70 × 50 = 3500.
Think about place value, inverse operations and facts that would come before or after the fact shown!



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Steppingstone activity

Summer week 8 Lesson 3 – 17.06.20

LO: To solve problems involving line graphs

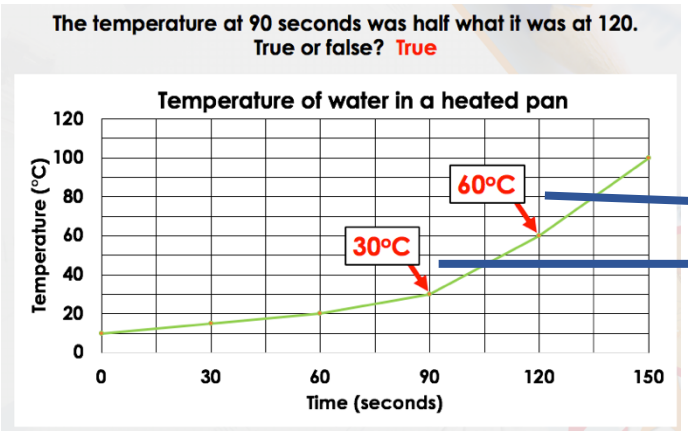
Success Criteria:

1. Look at the graph and work out what it is about e.g Temperature in a pan.
2. Look at the question and underline key information
3. Using this info find the points on your graph e.g. the temperature at 90 seconds and the temperature at 120 seconds
4. Compare the 2 and answer the question.

Model:

A reminder that a line graph shows CONTINUOUS data, that is data that never stops changing, for example the temperature in a classroom, it keeps changing between the times you might check it's temperature.

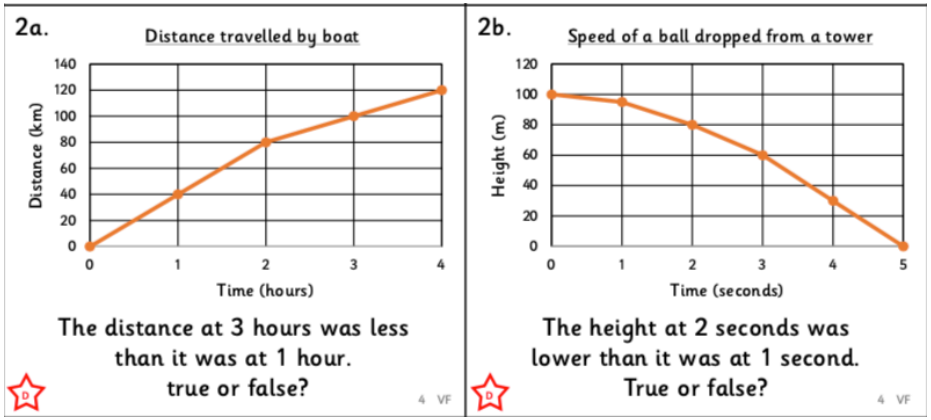
The temperature at 90 seconds was half what it was at 120.
True or false? True

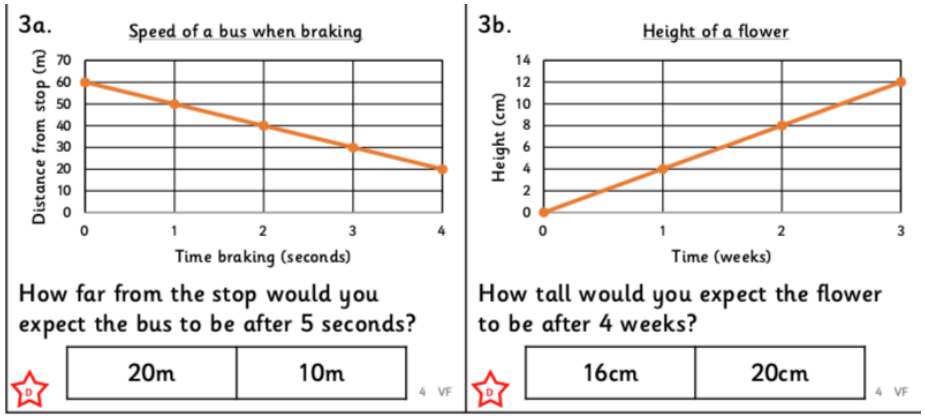


Find the Temperature at 90 seconds and 120 seconds.

Are they half?

Now complete these:





Canonbury Home Learning

Year 4/5 Maths

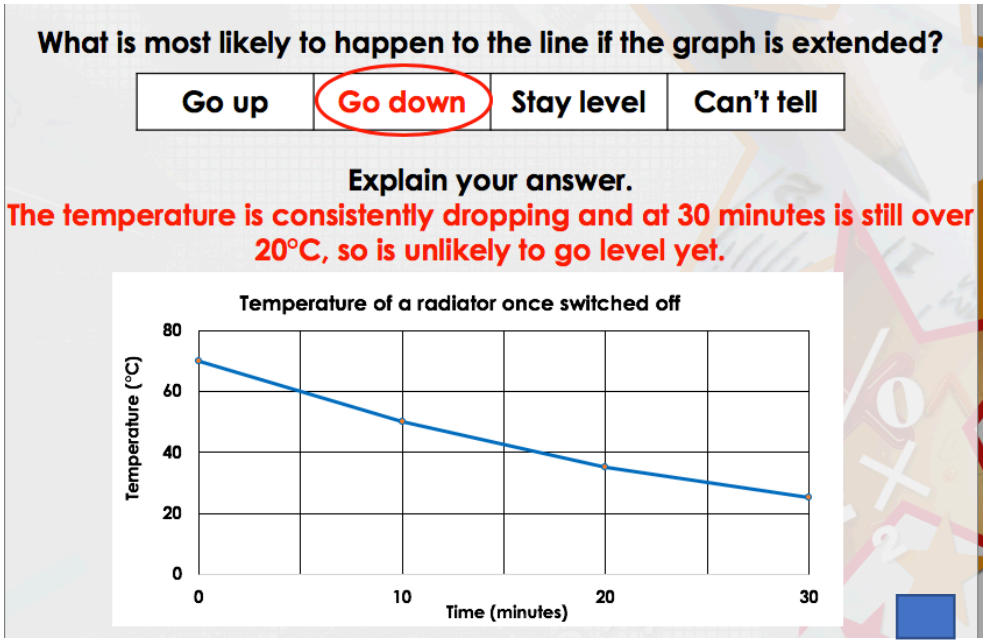
Summer week 8 Lesson 3 – 17.06.20

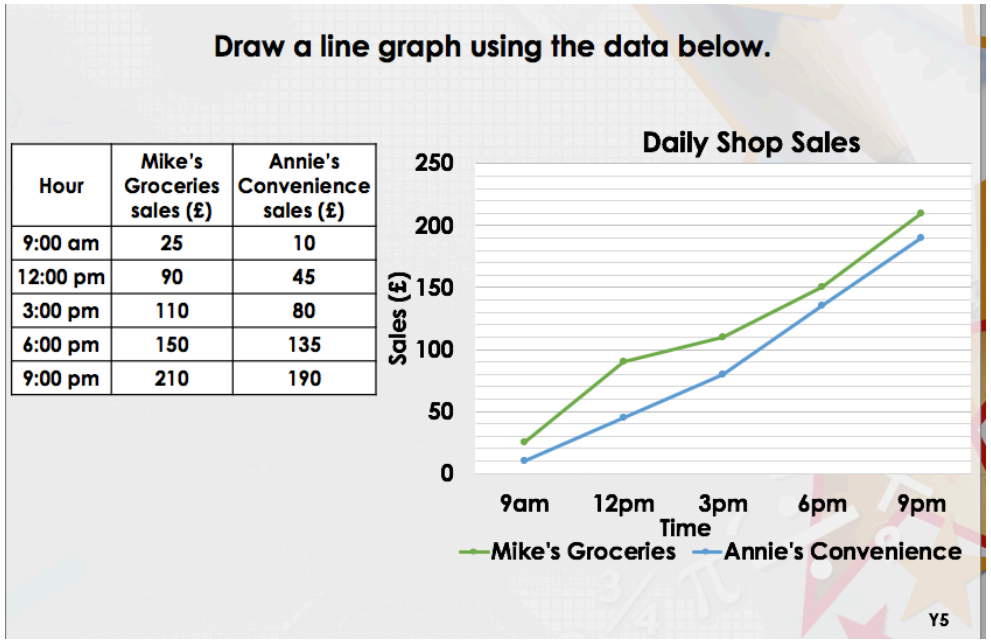
LO: To solve problems involving line graphs

Success Criteria:

1. Decide what needs to be on your x and Y axis e.g. Sales(y) and Time (x)
2. Look at the data, find the highest amount and decide on a scale for your Y axis e.g. going up in 50's
3. Label your X and your Y axis and give your line graph a title – don't forget to have a key for your two lines e.g. Mike's = green and Annie's = blue.
4. Use your table of data to plot each amount then join your dots using a ruler.

Model:





Year 4/5

See success criteria above for how a draw a line graph.

Canonbury Home Learning

Maths

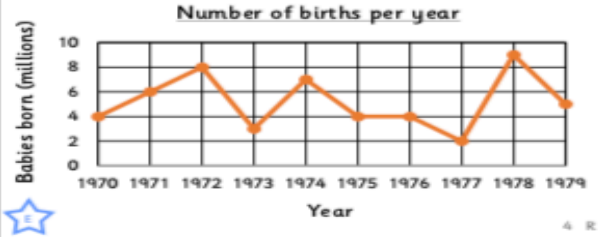
Summer week 8 Lesson 3 – 17.05.20

Task 1

4a. What is most likely to happen to the line if the graph is extended?

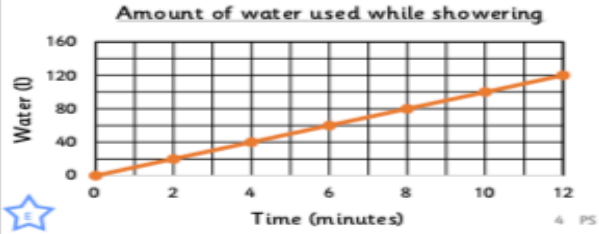
Go down	Go up	Go level	Can't tell

Explain your answer.

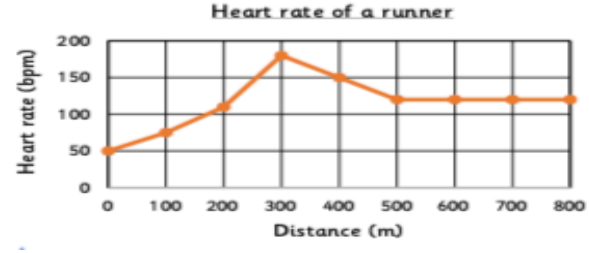


5a. Mr Cole is trying to save water. He wants to use 80l or less of water per shower. How long could he shower for?

10 min	6 min	8 min	12 min

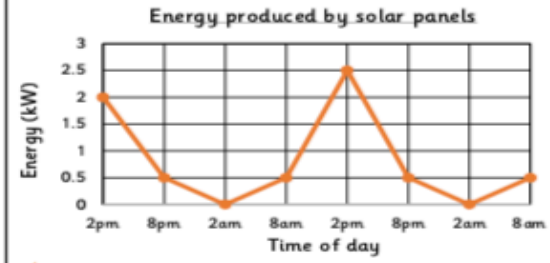


6a. When is it most likely that the runner sprinted for 100m?
Explain your answer.



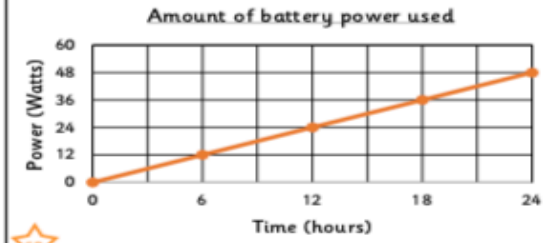
Task 2

7a. What is most likely to happen to the line if the graph is extended?
Explain your answer.



8a. Miss Spencer wants a new phone. She needs the battery to last for at least 15 hours. Which battery sizes suit her needs?

29W	34W	30W	33W	28W



9a. In which month is it most likely that Karl did not exercise as much?
Explain your answer.

Task 3

4a. Use grid paper to draw a line graph comparing temperatures using the data below.

Hour	Leeds Temperature	York Temperature
9:00 am	11	7
12:00 pm	12	9
3:00 pm	14	12
6:00 pm	11	11
9:00 pm	10	10

8a. Gabriel is creating a line graph comparing the population growth of Mumbai and Tokyo.

I will use intervals of hours for the time axis.

How could he improve his line graph?