

Canonbury Home Learning

Year 4/5 Maths

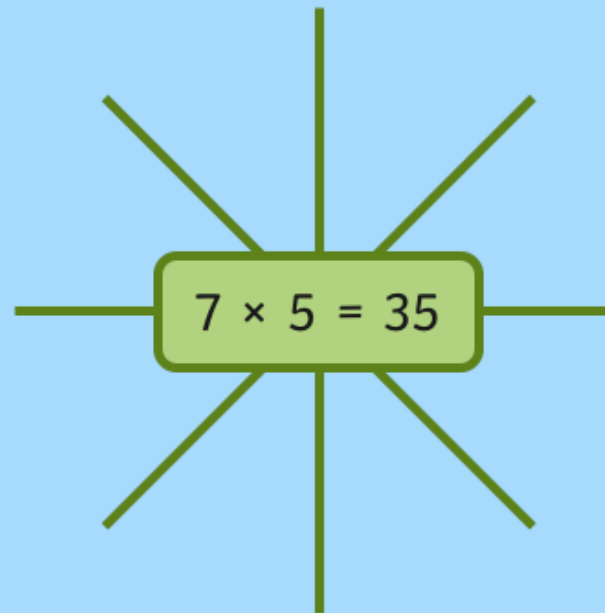
Summer week 8 Lesson 3 – 17.06.20

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. $70 \times 50 = 3500$.

Think about place value, inverse operations and facts that would come before or after the fact shown!



Answers will vary but could include the following:

$$70 \times 5 = 350, 35 \div 5 = 7, 6 \times 5 = 30, 7 \times 0.5 = 3.5$$



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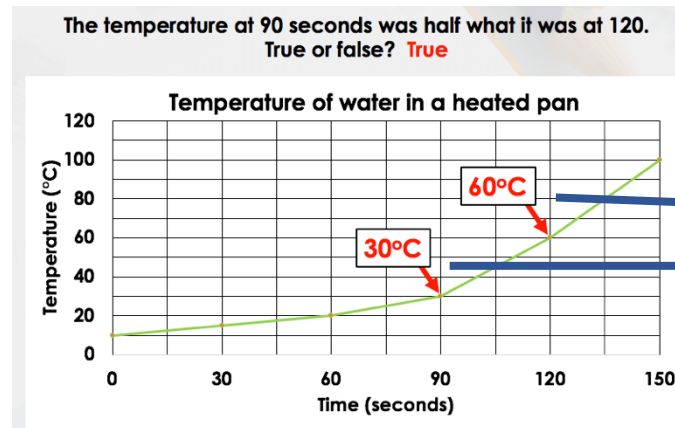
LO: To solve problems involving line graphs

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.



Find the Temperature at 90 seconds and 120 seconds.
Are they half?

Now complete these:

2a. **False: At 1 hour the distance was 40km, at 3 hours it was 100km.**

2b. **True**

3a. **5s = 10m**

3b. **4 weeks = 16cm**

Task 1	Task 2	Task 3																		
<p>4a. Can't tell. There is no discernible trend to the graph, so it is impossible to make an evidence-based prediction.</p> <p>5a. 6 minutes or 8 minutes.</p> <p>6a. Between 200m and 300m. The runner's heart rate went up most sharply in that 100m period, so that is most likely the time when they sprinted.</p>	<p>7a. The line is most likely to go up if the graph is extended. The line rises and falls with the panels generating more energy in daylight hours, so it is sensible to assume that the pattern will continue.</p> <p>8a. 30W, 33W, or 34W.</p> <p>9a. April. Less exercise can lead to weight gain so it is most likely that the month he gained weight is the month he exercised less.</p>	<p>4a.</p> <table border="1"> <caption>Temperature Data</caption> <thead> <tr> <th>Time</th> <th>Leeds (Degrees Celsius)</th> <th>York (Degrees Celsius)</th> </tr> </thead> <tbody> <tr> <td>9am</td> <td>11</td> <td>7</td> </tr> <tr> <td>12pm</td> <td>12</td> <td>9</td> </tr> <tr> <td>3pm</td> <td>14</td> <td>12</td> </tr> <tr> <td>6pm</td> <td>11</td> <td>11</td> </tr> <tr> <td>9pm</td> <td>10</td> <td>10</td> </tr> </tbody> </table> <p>8a. He has chosen a very small increment of time for his graph. Population is better measured in years, decades, or centuries.</p>	Time	Leeds (Degrees Celsius)	York (Degrees Celsius)	9am	11	7	12pm	12	9	3pm	14	12	6pm	11	11	9pm	10	10
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