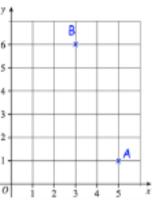
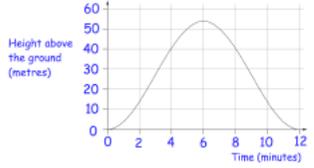


Unit 3 Week 5 Maths

Friday Simmering

Choose one section for your simmering then one section for your main activity.

If you fancy a challenge do try the next level

*	**	***								
<div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> $\begin{array}{r} 99 \\ - 27 \\ \hline \end{array}$ <div style="border: 1px solid black; width: 100px; height: 20px; margin: 10px auto;"></div> </div> <div style="width: 45%;"> $75 + 130$ <div style="border: 1px solid black; width: 100px; height: 20px; margin: 10px auto;"></div> </div> </div>	<div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> $\frac{2}{9} + \frac{3}{9}$ <div style="border: 1px solid black; width: 100px; height: 20px; margin: 10px auto;"></div> </div> <div style="width: 45%;"> $707 + 1,304$ <div style="border: 1px solid black; width: 100px; height: 20px; margin: 10px auto;"></div> </div> </div>	<div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> 47×24 <div style="border: 1px solid black; width: 100px; height: 20px; margin: 10px auto;"></div> </div> <div style="width: 45%;"> $\frac{16}{5} = 3\frac{\square}{5}$ <div style="border: 1px solid black; width: 100px; height: 20px; margin: 10px auto;"></div> </div> </div>								
<p>20 $\xrightarrow{\text{is 14 less than}}$ 34</p> <p><input style="width: 40px;" type="text"/> $\xrightarrow{\text{is 14 less than}}$ 72</p>		<p>Jessica goes on a big wheel at a funfair. The graph shows her height above the ground as the wheel turns.</p> 								
<p>Put these prices in order, starting with the smallest</p> <div style="display: flex; justify-content: space-around; margin-top: 10px;"> <div style="border: 1px solid black; padding: 2px;">£0.76</div> <div style="border: 1px solid black; padding: 2px;">80p</div> <div style="border: 1px solid black; padding: 2px;">£0.99</div> <div style="border: 1px solid black; padding: 2px;">45p</div> </div> <div style="display: flex; justify-content: space-around; margin-top: 10px;"> <input style="width: 40px;" type="text"/> <input style="width: 40px;" type="text"/> <input style="width: 40px;" type="text"/> <input style="width: 40px;" type="text"/> </div> <p style="text-align: center; margin-top: 5px;">smallest largest</p>	<p>These are the opening times at Coalville Library</p> <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 10px;"> <thead> <tr> <th style="background-color: #ffffcc;">Day</th> <th style="background-color: #ffffcc;">Opening Times</th> </tr> </thead> <tbody> <tr> <td>Monday</td> <td>10am to 2pm</td> </tr> <tr> <td>Tuesday to Thursday</td> <td>9am to 12:30pm</td> </tr> <tr> <td>Friday</td> <td>11:30am to 1pm</td> </tr> </tbody> </table>	Day	Opening Times	Monday	10am to 2pm	Tuesday to Thursday	9am to 12:30pm	Friday	11:30am to 1pm	<p>Write down the coordinates of the point A</p> <p>How many hours is the library open on Monday?</p>
Day	Opening Times									
Monday	10am to 2pm									
Tuesday to Thursday	9am to 12:30pm									
Friday	11:30am to 1pm									
<p style="text-align: center; color: blue;">Menu</p> <p>Coffee £1.60 Tea £1.00 Scone £2.00 Biscuit £0.80</p>	<p>Maddie buys two biscuits. She pays £2. How much change does she get?</p>	<p>Declan arrived at the library at 11am on Wednesday. How long could he stay before closing time?</p>								
<p>Jodie has a bag of 3 red and 5 green marbles. Jodie adds two red and two green marbles to the bag. What fraction of the marbles in the bag are now green?</p>	<p>How long did it take for the big wheel to make one complete turn?</p> <p>How long was Jessica over 40m above the ground?</p>	<p>Jodie adds two red and two green marbles to the bag. What fraction of the marbles in the bag are now green?</p>								

* LO To solve money problems.

When we all go back to school we are thinking we could have a large Traditional British Back To School Party. Here is the price list and shopping list for it. **Work out how much it would cost for each shopping list.** So we can decide how much it will cost for the whole school. Everything will be halal. Show your working out

 13p	 63p	 25p
 22p	 6p	54p 
 48p	 29p	 21p
 37p	 35p	 14p

Shopping List 1

- sausage rolls
- tea

Shopping List 2

- cake
- cola

Shopping List 3

- pizza
- crisps

Shopping List 4

- cola
- biscuits

Shopping List 5

- jelly
- cake

Shopping List 6

- ice-cream
- jelly
- cola

You have £1 to spend. Which shopping list goes over your budget? (over £1)

** LO To solve money problems.

When we all go back to school we are thinking we could have a large Traditional British Back To School Party. Here is the price list and shopping list for it. **Work out how much it would cost for each shopping list.** So we can decide how much it will cost for the whole school. Everything will be halal. Show your working out

 £1.43	 £0.89	 £2.09
 £1.78	 £0.25	 £1.31
 £0.55	 £2.63	 £0.66
 £1.18	 £2.11	 £1.37

<p><i>Shopping List 1</i></p> <ul style="list-style-type: none"> - bread - tea - cheese 	<p><i>Shopping List 2</i></p> <ul style="list-style-type: none"> - cake - sausage rolls - cola 	<p><i>Shopping List 3</i></p> <ul style="list-style-type: none"> - biscuits - pizza - crisps
<p><i>Shopping List 4</i></p> <ul style="list-style-type: none"> - cola - biscuits - sausage rolls 	<p><i>Shopping List 5</i></p> <ul style="list-style-type: none"> - jelly - milk - cake 	<p><i>Shopping List 6</i></p> <ul style="list-style-type: none"> - ice-cream - jelly - cola

You have £5 to spend. Which shopping list goes over your budget? (over £5)

***** LO To solve money problems.**

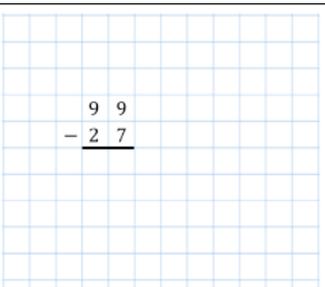
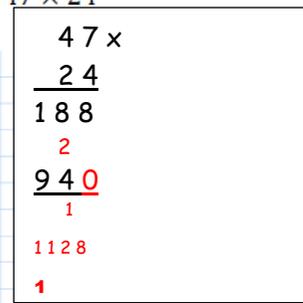
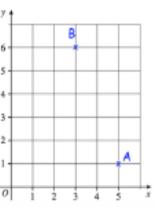
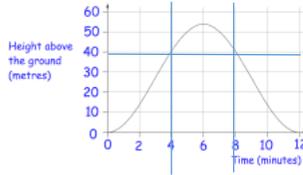
When we all go back to school we are thinking we could have a large Traditional British Back To School Party. Here is the price list and shopping list for it. **Work out how much it would cost for each shopping list.** So we can decide how much it will cost for the whole school. Everything will be halal. Show your working out

 £6.43	 £1.29	 £2.43
 £3.82	 £3.16	 £1.92
 £2.72	 £2.18	 £3.23
 £2.48	 £0.89	 £2.75

<p><i>Shopping List 1</i></p> <ul style="list-style-type: none"> - milk - bread - tea - cheese 	<p><i>Shopping List 2</i></p> <ul style="list-style-type: none"> - cake - sausage rolls - cola - bread 	<p><i>Shopping List 3</i></p> <ul style="list-style-type: none"> - tea - biscuits - pizza - crisps
<p><i>Shopping List 4</i></p> <ul style="list-style-type: none"> - cola - biscuits - sausage rolls - crisps 	<p><i>Shopping List 5</i></p> <ul style="list-style-type: none"> - jelly - milk - cake - pizza 	<p><i>Shopping List 6</i></p> <ul style="list-style-type: none"> - ice-cream - jelly - cola - pizza

You have £12 to spend. Which shopping list goes over your budget? (over £12)

Answers

*	**	***								
<div style="display: flex; justify-content: space-between;"> <div style="width: 45%;">  <p style="text-align: center;">72</p> </div> <div style="width: 45%;"> <p>75 + 130</p> <p style="text-align: center;">205</p> </div> </div>	<div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <p>$\frac{2}{9} + \frac{3}{9}$</p> <div style="border: 1px solid black; padding: 5px; text-align: center; width: 50px; margin: 0 auto;"> $\frac{5}{9}$ </div> </div> <div style="width: 45%;"> <p>707 + 1,304</p> <div style="border: 1px solid black; padding: 5px; text-align: center; width: 50px; margin: 0 auto;"> 2011 </div> </div> </div>	<div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <p>47 × 24</p>  </div> <div style="width: 45%;"> <p>$\frac{16}{5} = 3 \frac{\square}{5}$</p> <p style="text-align: center;">16 ÷ 5 = 3 r 1</p> <p style="text-align: center;">So it is 3 and 1/5. 1 should be in the box</p> </div> </div>								
<p>20 $\xrightarrow{\text{is 14 less than}}$ 34</p> <p><input style="width: 30px;" type="text"/> $\xrightarrow{\text{is 14 less than}}$ 72</p> <div style="border: 1px solid black; padding: 5px; text-align: center; width: 50px; margin: 0 auto;"> 58 </div>	<p>Write down the coordinates of the point A</p>  <div style="border: 1px solid black; padding: 5px; text-align: center; width: 50px; margin: 0 auto;"> A (5,1) B (3,6) </div>	<p>Jessica goes on a big wheel at a funfair. The graph shows her height above the ground as the wheel turns</p>  <p>How long did it take for the big wheel to make one complete turn?</p> <div style="border: 1px solid black; padding: 5px; text-align: center; width: 50px; margin: 0 auto;"> 12 minutes </div>								
<p>Put these prices in order, starting with the smallest</p> <p style="text-align: center;"> <input type="text" value="£0.76"/> <input type="text" value="80p"/> <input type="text" value="£0.99"/> <input type="text" value="45p"/> </p> <div style="border: 1px solid black; padding: 5px; text-align: center; width: 80%; margin: 0 auto;"> £0.45 £0.76, £0.80, £0.99 </div> <p style="text-align: center;">smallest largest</p>	<p>These are the opening times at Coalville Library</p> <table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <thead> <tr> <th style="background-color: #ffffcc;">Day</th> <th style="background-color: #ffffcc;">Opening Times</th> </tr> </thead> <tbody> <tr> <td>Monday</td> <td>10am to 2pm</td> </tr> <tr> <td>Tuesday to Thursday</td> <td>9am to 12:30pm</td> </tr> <tr> <td>Friday</td> <td>11:30am to 1pm</td> </tr> </tbody> </table> <p>How many hours is the library open on Monday?</p> <div style="border: 1px solid black; padding: 5px; text-align: center; width: 50px; margin: 0 auto;"> 4 hours </div>	Day	Opening Times	Monday	10am to 2pm	Tuesday to Thursday	9am to 12:30pm	Friday	11:30am to 1pm	<p>How long was Jessica over 40m above the ground?</p> <div style="border: 1px solid black; padding: 5px; text-align: center; width: 50px; margin: 0 auto;"> 8 - 4 mins = 4 minutes </div>
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<p>Menu</p> <p>Coffee £1.60 Tea £1.00 Scone £2.00 Biscuit £0.80</p> <p>Maddie buys two biscuits She pays £2</p> <p>How much change does she get?</p> <div style="border: 1px solid black; padding: 5px; text-align: center; width: 80%; margin: 0 auto;"> 2 biscuits £1.60, £2-£1.60 = £0.40 </div>	<p>Declan arrived at the library at 11am on Wednesday.</p> <p>How long could he stay before closing time?</p> <div style="border: 1px solid black; padding: 5px; text-align: center; width: 50px; margin: 0 auto;"> 1 ½ hours </div>	<p>Jodie has a bag of 3 red and 5 green marbles.</p> <p>Jodie adds two red and two green marbles to the bag.</p> <p>What fraction of the marbles in the bag are now green?</p> <p style="text-align: center;"> red 3 + 2 = 5 green 5 + 2 = 7 altogether 12 marbles so red <u>5</u> and green <u>7</u> 12 12 </p>								

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<i>Shopping List 4</i> - cola - biscuits	<i>Shopping List 5</i> - jelly - cake	<i>Shopping List 6</i> - ice-cream - jelly - cola

List 1 – 98p
List 2 – 68p
List 3 – 54p
List 4 – 102p
List 5 – 36p
List 6 – 89p

Over budget is list 4 by 2p

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List 1 – £1.80 or 180p

List 2 – £4.79 or 479p

List 3 – £5.27 or 527p

List 4 – £3.97 or 397p

List 5 – £4.33 or 433p

List 6 – £4.52 or 452p

Over budget is list 3 by 27p

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List 1 – £10.16 or 1016p
List 2 – £8.72 or 872p
List 3 – £8.62 or 862 p
List 4 – £7.71 or 771p
List 5 – £11.48 or 1148p
List 6 – £14.16 or 260p

Over budget is list 6 by 260p