

Unit 3 Week 5 Maths

Wednesday Simmering

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

If you fancy a challenge do try the next level

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6×8 <div style="border: 1px solid black; width: 100px; height: 30px; margin: 20px auto;"></div>	$491 - 6$ <div style="border: 1px solid black; width: 100px; height: 30px; margin: 20px auto;"></div>	$812 - 133$ <div style="border: 1px solid black; width: 100px; height: 30px; margin: 20px auto;"></div>	54×6 <div style="border: 1px solid black; width: 100px; height: 30px; margin: 20px auto;"></div>	$\square^2 = 16$ <div style="border: 1px solid black; width: 100px; height: 30px; margin: 20px auto;"></div>	$70,004 - 608$ <div style="border: 1px solid black; width: 100px; height: 30px; margin: 20px auto;"></div>												
<p>In the diagram, three circles in a straight line add to 40.</p> <p>Write in the missing numbers.</p>		<p>Three classes at a primary school collected some money.</p> <p>The chart shows how much money the boys and girls collected.</p>	<p>In Class 2, how much more money did the boys collect than the girls?</p>	<p>Lauren has some identical rectangles</p> <p>They are 13cm long and 4cm wide.</p>	<p>What is the perimeter of the large rectangle?</p>												
<p>Write down the mass of the apple</p>		<table border="1" style="margin: 10px auto;"> <caption>Money Collected by Class</caption> <thead> <tr> <th>Class</th> <th>Boys (£)</th> <th>Girls (£)</th> </tr> </thead> <tbody> <tr> <td>Class 1</td> <td>14</td> <td>18</td> </tr> <tr> <td>Class 2</td> <td>20</td> <td>10</td> </tr> <tr> <td>Class 3</td> <td>16</td> <td>16</td> </tr> </tbody> </table>	Class	Boys (£)	Girls (£)	Class 1	14	18	Class 2	20	10	Class 3	16	16	<p>How much money did the girls collect altogether in classes 1, 2 and 3?</p>	<p>She uses four rectangles to make the larger rectangle below</p>	<p>What is the area of the large rectangle?</p>
Class	Boys (£)	Girls (£)															
Class 1	14	18															
Class 2	20	10															
Class 3	16	16															
<p>Write 4 in Roman numerals</p>		<p>The numbers in this sequence increase by 30 each time.</p> <p style="text-align: center;">10 40 70 100 ...</p> <p>Which number in the sequence is closest to 300?</p>		<p>Kate has £2.80 James has £4.50</p> <p>James gives Kate some money so that they now have the same amount of money.</p> <p>How much does James give Kate?</p>													

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

How much profit?



Cake stall = £7



Toy stall = £10



Bouncy castle = £3



Jumble stall = £5



Obstacle course = £9



Smashing plates = £2

How much money was made if you add the cake stall and jumble stall together. Show your working out.

How much money was made if you add the toy stall and bouncy castle together. Show your working out.

How much money was made if you add the smashing plates, obstacle course and jumble stall together. Show your working out.

How much money was made if you add the jumble stall, cake stall and smashing plates together. Show your working out.

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

How much profit?



Cake stall = £17



Toy stall = £10



Bouncy castle = £20



Jumble stall = £15



Obstacle course = £9



Smashing plates = £23

How much money was made if you add the cake stall and jumble stall together. Show your working out.

How much money was made if you add the toy stall and bouncy castle together. Show your working out.

How much money was made if you add the smashing plates, obstacle course and jumble stall together. Show your working out.

How much money was made if you add the jumble stall, cake stall and smashing plates together. Show your working out.

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

How much profit?



Cake stall = £23.50



Toy stall = £15.25



Bouncy castle = £31



Jumble stall = £5



Obstacle course = £22.10



Smashing plates = £17

How much money was made if you add the cake stall, bouncy castle and jumble stall together. Show your working out.

How much money was made if you add the toy stall, bouncy castle and obstacle course together. Show your working out.

How much money was made if you add the smashing plates, obstacle course and jumble stall together. Show your working out.

How much money was made if you add the jumble stall, cake stall and smashing plates together. Show your working out.

Answers

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6×8 <div style="border: 1px solid black; padding: 5px; width: fit-content; margin: 10px auto;">42</div>	$491 - 6$ <div style="border: 1px solid black; padding: 5px; width: fit-content; margin: 10px auto;"> $\begin{array}{r} 48911 \\ - \quad 6 \\ \hline 485 \end{array}$ </div>	$812 - 133$ <div style="border: 1px solid black; padding: 5px; width: fit-content; margin: 10px auto;"> $\begin{array}{r} 81012 \\ - 133 \\ \hline 679 \end{array}$ </div>	54×6 <div style="border: 1px solid black; padding: 5px; width: fit-content; margin: 10px auto;"> $\begin{array}{r} 54 \\ \times 6 \\ \hline 324 \\ 2 \end{array}$ </div>	$\square^2 = 16$ <div style="border: 1px solid black; padding: 5px; width: fit-content; margin: 10px auto;"> <p>$_ \times _ = 16$ has to be same number. $4 \times 4 = 16$ So 4 is the missing number</p> </div>	$70,004 - 608$ <div style="border: 1px solid black; padding: 5px; width: fit-content; margin: 10px auto;"> $\begin{array}{r} 6790909014 \\ - \quad 608 \\ \hline 69396 \end{array}$ </div>
<p>In the diagram, three circles in a straight line add to 40.</p> <p>Write in the missing numbers.</p>		<p>Three classes at a primary school collected some money.</p> <p>The chart shows how much money the boys and girls collected.</p>	<p>In Class 2, how much more money did the boys collect than the girls?</p> <div style="border: 1px solid black; padding: 5px; width: fit-content; margin: 10px auto;"> <p>Girls = £44 Boys = £50 £50 - £44 = £6</p> </div>	<p>Lauren has some identical rectangles</p> <p>They are 13cm long and 4cm wide.</p>	<p>What is the perimeter of the large rectangle?</p> <div style="border: 1px solid black; padding: 5px; width: fit-content; margin: 10px auto;"> <p>16+16+13+13 cm = 58cm</p> </div>
<p>Write down the mass of the apple</p> <div style="border: 1px solid black; padding: 5px; width: fit-content; margin: 10px auto;">85</div>		<p>How much money did the girls collect altogether in classes 1, 2 and 3?</p> <div style="border: 1px solid black; padding: 5px; width: fit-content; margin: 10px auto;">£94</div>	<p>She uses four rectangles to make the larger rectangle below</p>	<p>What is the area of the large rectangle?</p> <div style="border: 1px solid black; padding: 5px; width: fit-content; margin: 10px auto;"> $\begin{array}{r} 16 \\ \times 13 \\ \hline 48 \\ 160 \\ \hline 208 \end{array}$ </div>	
<p>Write 4 in Roman numerals</p> <div style="border: 1px solid black; padding: 5px; width: fit-content; margin: 10px auto;">IV</div>		<p>The numbers in this sequence increase by 30 each time.</p> <p>10 40 70 100 ...</p> <p>Which number in the sequence is closest to 300?</p> <div style="border: 1px solid black; padding: 5px; width: fit-content; margin: 10px auto;">290</div>	<p>Kate has £2.80 James has £4.50</p> <p>James gives Kate some money so that they now have the same amount of money.</p> <p>How much does James give?</p> <div style="border: 1px solid black; padding: 5px; width: fit-content; margin: 10px auto;"> <p>2.80 + 4.50 = 7.30. 1/2 of this is £3.65 so that is what they need each (so they have the same amount) £3.65 - 2.80 = how much more Kate needs. 85p</p> </div>		

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

How much profit?



Cake stall = £7



Toy stall = £10



Bouncy castle = £3



Jumble stall = £5



Obstacle course = £9



Smashing plates = £2

How much money was made if you add the cake stall and jumble stall together. Show your working out.

£13

How much money was made if you add the toy stall and bouncy castle together. Show your working out.

£13

How much money was made if you add the smashing plates, obstacle course and jumble stall together. Show your working out.

£16

How much money was made if you add the jumble stall, cake stall and smashing plates together. Show your working out. £14

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

How much profit?



Cake stall = £17



Toy stall = £10



Bouncy castle = £20



Jumble stall = £15



Obstacle course = £9



Smashing plates = £23

How much money was made if you add the cake stall and jumble stall together. Show your working out.

£32

How much money was made if you add the toy stall and bouncy castle together. Show your working out.

£30

How much money was made if you add the smashing plates, obstacle course and jumble stall together.

Show your working out.

£47

How much money was made if you add the jumble stall, cake stall and smashing plates together. Show your

working out. £55

*** LO: To solve money problems.

How much profit?



Cake stall = £23.50



Toy stall = £15.25



Bouncy castle = £31



Jumble stall = £5



Obstacle course = £22.10



Smashing plates = £17

How much money was made if you add the cake stall, bouncy castle and jumble stall together. Show your working out. **£59.50**

How much money was made if you add the toy stall, bouncy castle and obstacle course together. Show your working out. **£68.35**

How much money was made if you add the smashing plates, obstacle course and jumble stall together. Show your working out. **£44.10**

How much money was made if you add the jumble stall, cake stall and smashing plates together. Show your working out. **£45.50**