

Canonbury Home Learning  
**Year 4 Maths**  
**Steppingstone activity**



**Lesson 1**

**LO: To identify 100s, 10s, 1s**

**Success Criteria:**

1. Write down the number
2. Use base 10 to draw the value of the 100s
3. Use base 10 to draw the value of the 10s
4. Use base 10 to draw the value of the 1s

**Model**

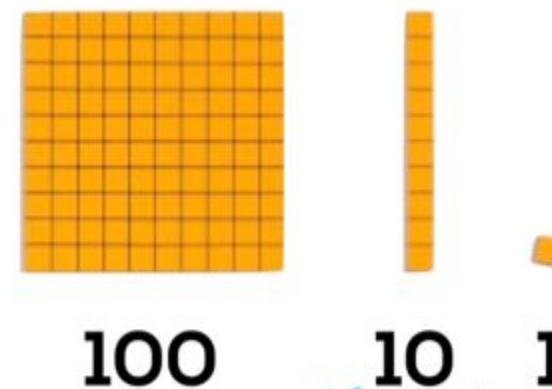
Number	Representation
412	
412	□□□□ ↑
412	□□□□□ ↑
412	□□□□□□ ↑

Now you try...

100                  120                  370                  407                  999

Now make your own 3 digit numbers using dice. One roll for each value.

Make sure you use the correct base 10!



Canonbury Home Learning  
**Year 4 Maths**

**Lesson 1**

**LO: To identify 1000s, 100s, 10s, 1s**

**Task:**

**Success Criteria:**

1. Write down the number
2. Use place value counters to draw the value of the 1000s
3. Use place value counters to draw the value of the 100s
4. Use place value counters to draw the value of the 10s
5. Use place value counters to draw the value of the 1s

**Model:**

1. 

Number	Representation
1342	

2. 

Number	Representation
1342	1000 ↑

3. 

Number	Representation
1342	1000 100 100 100 ↑

4. 






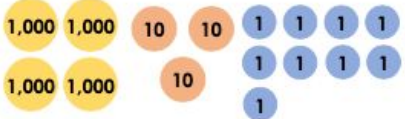
Number	Representation
1342	1000 100 10 100 10 100 10 ↑

5. 

Number	Representation
1342	1000 100 10 1 100 10 1 100 10 10 ↑

**Make sure you choose the correct place value counters!**



Task 1	Task 2	Task 3	Task 4																																											
<p><b>Practice</b> Have a go at these numbers. Represent them using base 10:</p> <ol style="list-style-type: none"> <li>140</li> <li>260</li> <li>340</li> <li>635</li> <li>428</li> <li>893</li> </ol>	<p><b>Practice</b> Have a go at these numbers. Represent them using place value counters:</p> <ol style="list-style-type: none"> <li>563</li> <li>632</li> <li>1634</li> <li>3275</li> <li>2458</li> <li>5385</li> </ol>	<p><b>Reasoning</b> Explain your answers.</p> <p>2b. Chen and Kim are discussing place value.</p> <div style="display: flex; justify-content: space-around;"> <div style="text-align: center;">  Chen The number shown is 8,217.             </div> <div style="text-align: center;">  Kim No, the number shown is 8,271.             </div> </div> <div style="text-align: center; margin: 10px 0;">  </div> <p>Who is correct? Explain your answer.</p> <p>5a. Fatima and Mo are discussing place value.</p> <div style="display: flex; justify-content: space-around;"> <div style="text-align: center;">  Fatima The number shown is 4,039.             </div> <div style="text-align: center;">  Mo No, the number shown is 4,390.             </div> </div> <div style="text-align: center; margin: 10px 0;">  </div> <p>Who is correct? Explain your answer.</p>	<p><b>Problem solving</b></p> <p>1. Draw a possible pathway through space for the astronaut. Planets are neutral zones.</p> <div style="border: 1px solid black; padding: 5px; margin: 10px 0;"> <p style="text-align: center; margin: 0;"><b>SPACE RULES:</b></p> <ul style="list-style-type: none"> <li>- Start score is 500 points</li> <li>- End score between 1,000 and 2,000</li> <li>- Must pass through at least 8 squares</li> <li>- Move horizontally, vertically and diagonally</li> </ul> </div> <div style="display: flex; align-items: flex-start;"> <table border="1" style="border-collapse: collapse; text-align: center; width: 300px; height: 200px;"> <tr> <td></td> <td></td> <td></td> <td></td> <td> END</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td> START</td> <td></td> <td></td> <td></td> <td></td> </tr> </table> <table border="1" style="border-collapse: collapse; text-align: center; width: 80px; height: 200px;"> <thead> <tr> <th colspan="2">KEY</th> </tr> </thead> <tbody> <tr> <td></td> <td>+ 1,000</td> </tr> <tr> <td></td> <td>- 1,000</td> </tr> <tr> <td></td> <td>+ 100</td> </tr> <tr> <td></td> <td>- 100</td> </tr> <tr> <td></td> <td>+ 10</td> </tr> <tr> <td></td> <td>- 10</td> </tr> <tr> <td></td> <td>+ 1,100</td> </tr> <tr> <td></td> <td>+ 500</td> </tr> </tbody> </table> </div> <p><b>Rules</b></p> <ul style="list-style-type: none"> <li>● Start with 500 points</li> <li>● Pass through 8 squares</li> <li>● Aim to end your score with a number between 1000 and 2000</li> </ul>					END																START					KEY			+ 1,000		- 1,000		+ 100		- 100		+ 10		- 10		+ 1,100		+ 500
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