

Activity name	Learning objectives	Content of homework	Managing the homework	All New 100 Maths Lessons Year 4	
				NNS	Page
<b>The great estimation challenge!</b>	<ul style="list-style-type: none"> <li>● Make and justify estimates up to about 250.</li> </ul>	<p><b>Puzzles to do at home</b></p> <p>The children estimate some common household things but do not count them. The emphasis is on the process.</p>	<p><b>Before:</b> Discuss the vocabulary of estimation and what it is used for.</p> <p><b>After:</b> Ask the children to read out some of their estimates and discuss what strategies (if any) they used.</p>	<b>1</b>	<b>9</b>
<b>Make it four!</b>	<ul style="list-style-type: none"> <li>● Identify near doubles, using known doubles.</li> </ul>	<p><b>Maths to share</b></p> <p>Doubles game to be played with a helper.</p>	<p><b>Before:</b> Give out the sheet and briefly explain the rules.</p> <p><b>After:</b> Talk to the children about numbers they found hard to double.</p>	<b>2</b>	<b>14</b>
<b>Money, money, money!</b>	<ul style="list-style-type: none"> <li>● <b>Choose and use appropriate number operations and appropriate ways of calculating (mental, mental with jottings, pencil and paper) to solve problems.</b></li> </ul>	<p><b>Maths homework</b></p> <p>Some short word problems for the children to solve.</p>	<p><b>Before:</b> Explain that the children cannot use a calculator for these problems and that they should write down how they did them.</p> <p><b>After:</b> Ask the children what methods they used to solve the problems.</p>	<b>2</b>	<b>15</b>
<b>Adding</b>	<ul style="list-style-type: none"> <li>● Use informal pencil-and-paper methods to support, record or explain additions and subtractions.</li> </ul>	<p><b>Maths to share</b></p> <p>The aim of this sheet is to encourage the children to share their calculation methods with someone at home.</p>	<p><b>Before:</b> Remind the children how to set out a vertical addition question, and to add the most significant digits first.</p> <p><b>After:</b> Work through the examples together, and invite children from each ability group to show the others by writing on the board how they worked out an answer.</p>	<b>3</b>	<b>23</b>
<b>Small number add</b>	<ul style="list-style-type: none"> <li>● Add three or four small numbers, finding pairs totalling 10, or 9 or 11.</li> </ul>	<p><b>Maths to share</b></p> <p>Children choose three or four small numbers and add them, then explain to the helper the strategy they used.</p>	<p><b>Before:</b> Review the strategies the children might use for adding three or four small numbers.</p> <p><b>After:</b> Invite children from each ability group to read out one of their additions for the others to total mentally. Discuss the strategy chosen and why it was appropriate.</p>	<b>3</b>	<b>23</b>