

Y6 – Autumn – Block 1 – Step 3 – Round any number Answers

Question	Answer																														
1	a) 26,320 is closer to 26,000 than 27,000 b) 26,412 is closer to 26,000 than 27,000 c) 26,590 is close to 27,000 than 26,000																														
2	a) 18,000 b) 42,000 c) 34,000																														
3	a) Alex is incorrect. To round to the nearest hundred, she needs to look in the tens column. b) 12,163 rounded to the nearest hundred is 12,200 12,163 rounded to the nearest thousand is 12,000																														
4	<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">100,000</td> <td style="width: 50%;">200,000</td> </tr> <tr> <td>100,000</td> <td>200,000</td> </tr> <tr> <td>100,000</td> <td>1,200,000</td> </tr> </table> <p>When there are 4 tens of thousands or less, the numbers round to 100,000, whereas when there are 5 tens of thousands or more, the numbers round to 200,000</p>	100,000	200,000	100,000	200,000	100,000	1,200,000																								
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5	<table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <tr> <td style="background-color: #d9ead3;">Rounded to the nearest</td> <td>147,283</td> <td>68,547</td> <td>1,656,908</td> <td>900,571</td> </tr> <tr> <td style="background-color: #d9ead3;">10</td> <td>147,280</td> <td>68,550</td> <td>1,656,910</td> <td>900,570</td> </tr> <tr> <td style="background-color: #d9ead3;">100</td> <td>147,300</td> <td>68,500</td> <td>1,656,900</td> <td>900,600</td> </tr> <tr> <td style="background-color: #d9ead3;">1,000</td> <td>147,000</td> <td>69,000</td> <td>1,657,000</td> <td>901,000</td> </tr> <tr> <td style="background-color: #d9ead3;">10,000</td> <td>150,000</td> <td>70,000</td> <td>1,660,000</td> <td>900,000</td> </tr> <tr> <td style="background-color: #d9ead3;">100,000</td> <td>100,000</td> <td>100,000</td> <td>1,700,000</td> <td>900,000</td> </tr> </table>	Rounded to the nearest	147,283	68,547	1,656,908	900,571	10	147,280	68,550	1,656,910	900,570	100	147,300	68,500	1,656,900	900,600	1,000	147,000	69,000	1,657,000	901,000	10,000	150,000	70,000	1,660,000	900,000	100,000	100,000	100,000	1,700,000	900,000
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6	38,350 38,499 37,500 37,690 37,999 38,098																														
7	a) 32_,657: one of 0, 1, 2, 3, 4 32_,657: 1 32_,657: one of 5, 6, 7, 8, 9 b) five possibilities for 32_,657: 0, 1, 2, 3, 4 one possibility for 32_,657: 1 five possibilities for 32_,657: 5, 6, 7, 8, 9																														
8	<p>Eva is correct.</p> <p>Jack thinks 471,958 is closer to 400,000 than 500,000. 471,958 is bigger than 450,000 and so is closer to 500,000</p> <p>Rosie has rounded 471,958 to the nearest 1,000 rather than 100,000</p>																														
9	a) 654,998 b) 545,000 c) 54,999																														