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

<table>
<tr><th>Question</th><th>Answer</th></tr>
<tr><td>1</td><td>a) 26,320 is cloaser to 26,000 then 27,000
b) 26,412 is closer to 26,000 than 27,000
c) 26,590 is close to 27,000 than 26,000</td></tr>
<tr><td>2</td><td>a) 18,000
b) 42,000
c) 34,000</td></tr>
<tr><td>3</td><td>a) Alex is incorrect. If she is rounding 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</td></tr>
<tr><td>4</td><td>123,456 | 100,000   153,456 | 200,000
133,456 | 100,000   163,456 | 200,000
143,456 | 100,000   1,163,456 | 1,200,000
I notice that 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.</td></tr>
<tr><td>5</td><td>
<table>
<tr><th>Rounded to the nearest</th><th>147,283</th><th>68,547</th><th>1,656,908</th><th>900,571</th></tr>
<tr><td>10</td><td>147,280</td><td>68,550</td><td>1,656,910</td><td>900,570</td></tr>
<tr><td>100</td><td>147,300</td><td>68,500</td><td>1,656,900</td><td>900,600</td></tr>
<tr><td>1,000</td><td>147,000</td><td>69,000</td><td>1,657,000</td><td>901,000</td></tr>
<tr><td>10,000</td><td>150,000</td><td>70,000</td><td>1,660,000</td><td>900,000</td></tr>
<tr><td>100,000</td><td>100,000</td><td>100,000</td><td>1,700,000</td><td>900,000</td></tr>
</table>
</td></tr>
<tr><td>6</td><td>The following numbers should be circled:
38,350, 38,499, 37,500, 37,690, 37,999, 38,098</td></tr>
<tr><td>7</td><td>a) 32_,657 the missing number could be 0, 1, 2, 3 or 4
3_5,001 the missing number has to be 1
31_,999 the missing number could be 5, 6, 7, 8, 9
b) There are 5 possibilities for the first question: 0, 1, 2, 3, 4
There is 1 possibility for the second question: 1
There are 5 possibilities for the last question: 5, 6, 7, 8, 9</td></tr>
<tr><td>8</td><td>Eva is correct. Jack has made a mistake as he 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. Rosie appears to have rounded 471,958 to the nearest 1,000 rather than 100,000</td></tr>
<tr><td>9</td><td>a) 654,998
b) 545,000
c) 54,999</td></tr>
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