<table>
<tr><td>7</td><td>$2\times2\times7$ or $2\times3\times7$ or $3^2\times7$ oe condone 1's in factor tree

or showing at least 5 correct multiples across at least 2 lists (excluding 28, 42, 63)
(28) 56, 84, 112, 140, 168, 196, 224, 252
(42) 84, 126, 168, 210, 252
(63) 126, 189, 252</td><td></td><td>3</td><td>M1</td><td>accept prime factors seen in factor tree or correct position in Venn diagram for at least one of the numbers given.</td></tr>
<tr><td></td><td>$2\times2\times7$ and $2\times3\times7$ and $3\times3\times7$
or showing at least 9 correct multiples across all 3 lists (excluding 28, 42, 63)</td><td></td><td></td><td>M1</td><td>accept prime factors seen in factor tree or correct position in Venn diagram for all 3 of the numbers given.</td></tr>
<tr><td></td><td></td><td>252</td><td></td><td>A1</td><td>or $2^2 \times 3^2 \times 7$ oe Dep on M1</td></tr>
<tr><td>7 alt</td><td><table><tr><td>7</td><td>28</td><td>42</td><td>63</td></tr><tr><td>2</td><td>4</td><td>6</td><td>9</td></tr><tr><td>3</td><td>2</td><td>3</td><td>9</td></tr><tr><td></td><td>2</td><td>1</td><td>3</td></tr></table>oe
or
<table><tr><td>7</td><td>28</td><td>42</td><td>63</td></tr><tr><td>2</td><td>4</td><td>6</td><td>9</td></tr><tr><td>3</td><td>2</td><td>3</td><td>9</td></tr><tr><td>2</td><td>2</td><td>1</td><td>3</td></tr><tr><td>3</td><td>1</td><td>1</td><td>3</td></tr><tr><td>(1)</td><td>1</td><td>1</td><td>1</td></tr></table></td><td></td><td>3</td><td>M1</td><td>For one correct row in table
eg division by 7 gives 4, 6, 9</td></tr>
<tr><td></td><td></td><td></td><td></td><td>M1</td><td>Fully correct table – need only go as far as top table – we want to see prime factors along the side or prime factors along the sides and bottom (condone 1's)</td></tr>
<tr><td></td><td></td><td>252</td><td></td><td>A1</td><td>or $2^2 \times 3^2 \times 7$ oe Dep on M1</td></tr>
<tr><td></td><td></td><td></td><td></td><td></td><td>Total 3 marks</td></tr>
</table>