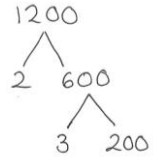
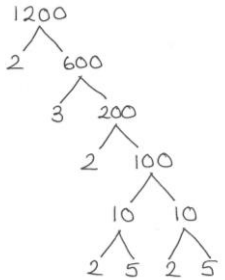
<table>
<tr><td>2</td><td>eg 2 × 2 × 300
2 × 5 × 120
2 × 3 × 200
3 × 5 × 80 or
eg


or
<table>
<tr><td>2</td><td>1200</td></tr>
<tr><td>3</td><td>600</td></tr>
<tr><td></td><td>200</td></tr>
</table></td><td></td><td>3</td><td>M1</td><td>for at least 2 correct stages in prime factorisation which give 2 prime factors – may be in a factor tree or a table or listed eg 2, 2, 300 (allow no more than one mistake ft (eg one mistake with 2 prime factors ft 1200 = 20 × 600 = 2 × 10 × 3 × 200))</td></tr>
<tr><td></td><td>2, 2, 2, 2, 3, 5, 5
or


oe
<table>
<tr><td>2</td><td>1200</td></tr>
<tr><td>3</td><td>600</td></tr>
<tr><td>2</td><td>200</td></tr>
<tr><td>5</td><td>100</td></tr>
<tr><td>2</td><td>20</td></tr>
<tr><td>5</td><td>10</td></tr>
<tr><td>2</td><td>2</td></tr>
<tr><td></td><td>(1)</td></tr>
</table></td><td></td><td></td><td>M1</td><td>for finding the correct prime factors condone inclusion of 1 (may be seen in a fully correct factor tree or ladder)</td></tr>
<tr><td></td><td></td><td>$2^4 \times 3 \times 5^2$</td><td></td><td>A1</td><td>(dep on M2 as working requested)
Can be in any order (allow $2^4 . 3 . 5^2$) but must be in index form as asked for.</td></tr>
<tr><td></td><td></td><td></td><td></td><td></td><td>Total 3 marks</td></tr>
</table>