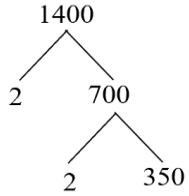
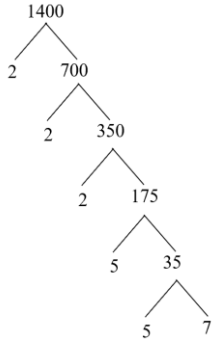
<table>
<tr><td rowspan="4">2</td><td rowspan="4"></td><td colspan="2">eg
2 × 2 × 350
or 2 × 7 × 100
or 2 × 5 × 140
or 5 × 5 × 56
or 7 × 5 × 40
or (14 × 100 = 14 × 25 × 4 =) 2 × 7 × 25 × 4</td><td rowspan="2"></td><td rowspan="4">3</td><td rowspan="2">M1 for finding 2 prime factors after at least 2 stages of prime factorisation with 0 incorrect stages
or for finding 2 prime factors after at least 3 stages of prime factorisation with no more than 1 incorrect stage

Each stage gives 2 factors – may be in a factor tree or a table or listed (see LHS for examples of the amount of work needed for the award of this mark) but we want to see 2 prime factors.

Example of finding 2 prime factors after at least 3 stages with 1 incorrect stage:
1400 = 10 × 14 = 2 × 5 × 2 × 7</td></tr>
<tr><td>eg
<table><tr><td>2</td><td>1400</td></tr><tr><td>2</td><td>700</td></tr><tr><td></td><td>350</td></tr></table></td><td>eg

</td></tr>
<tr><td colspan="2">eg 2 × 2 × 2 × 5 × 5 × 7</td><td rowspan="2"></td><td rowspan="2">M1 dep on M1
for factors 2, 2, 2, 5, 5, 7 identified with no others in any form, eg listed, multiplied, added

Ignore 1s

May be seen in a fully correct factor tree or ladder</td></tr>
<tr><td>eg
<table><tr><td>2</td><td>1400</td></tr><tr><td>2</td><td>700</td></tr><tr><td>2</td><td>350</td></tr><tr><td>5</td><td>175</td></tr><tr><td>5</td><td>35</td></tr><tr><td></td><td>7</td></tr></table></td><td>eg

</td></tr>
<tr><td colspan="2">Working required</td><td>$2^3 \times 5^2 \times 7$</td><td>A1 dep on M2
May be in any order and allow $2^3 \times 5^2 \times 7$</td></tr>
<tr><td></td><td></td><td colspan="2"></td><td></td><td></td><td>Total 3 marks</td></tr>
</table>