<table>
<tr><th colspan="2">Question</th><th>Working</th><th>Answer</th><th>Mark</th><th colspan="2">Notes</th></tr>
<tr><td>6</td><td>(a)</td><td>2 × 2 × 2 × 2 × 2 × 3 or 2 × 2 × 2 × 3 × 5
e.g.
<table><tr><td>2</td><td>96</td><td>120</td></tr><tr><td>2</td><td>48</td><td>60</td></tr><tr><td>2</td><td>24</td><td>30</td></tr><tr><td>3</td><td>12</td><td>15</td></tr><tr><td></td><td>4</td><td>5</td></tr></table>
<table><tr><td>6</td><td>96</td><td>120</td></tr><tr><td>4</td><td>16</td><td>20</td></tr><tr><td></td><td>4</td><td>5</td></tr></table></td><td>24</td><td>2</td><td>A1</td><td>or $2^3 \times 3$ oe</td></tr>
<tr><td></td><td>(b)</td><td></td><td></td><td>2</td><td>M1

A1</td><td>for $2^m \times 3^n \times 5^p \times 7^q \times 11^r$ with at least two of $m = 4$, $n = 1$, $p = 2$, $q = 2$, $r = 1$ (or omission of one with others fully correct) NB: e.g.2^4 could be 2×2^3
or
prime numbers may be seen in a Venn diagram – if so must be correctly placed
or $2^4 \times 3 \times 5^2 \times 7^2 \times 11$ oe</td></tr>
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