<table>
<thead>
<tr>
<th>Table Tiling</th>
<th>Rubric</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Points</td>
</tr>
<tr>
<td><strong>1.</strong> Gives correct answers:</td>
<td></td>
</tr>
<tr>
<td>For a 40 cm by 40 cm square she will need:</td>
<td></td>
</tr>
<tr>
<td><strong>25</strong> Whole tiles</td>
<td>2</td>
</tr>
<tr>
<td><strong>12</strong> Half tiles</td>
<td>2</td>
</tr>
<tr>
<td><strong>4</strong> Quarter tiles</td>
<td>1</td>
</tr>
<tr>
<td><strong>2.</strong> Gives correct answers:</td>
<td></td>
</tr>
<tr>
<td>For a table top of size $10n$ or For a table top of size $x$</td>
<td></td>
</tr>
<tr>
<td>Whole tiles</td>
<td></td>
</tr>
<tr>
<td>$n^2 + (n - 1)^2$ or $x^2/100 + (x/10 - 1)^2$</td>
<td>2</td>
</tr>
<tr>
<td>Partial credit</td>
<td></td>
</tr>
<tr>
<td>Gives rule: the differences increase by 4 each time</td>
<td>(1)</td>
</tr>
<tr>
<td>Half tiles</td>
<td></td>
</tr>
<tr>
<td>$4(n-1)$ or $4(x/10 - 1)$</td>
<td>2</td>
</tr>
<tr>
<td>Partial credit</td>
<td></td>
</tr>
<tr>
<td>Gives rule: Add 4 to the previous result</td>
<td>(1)</td>
</tr>
<tr>
<td>Quarter tiles</td>
<td></td>
</tr>
<tr>
<td><strong>4</strong></td>
<td>1</td>
</tr>
<tr>
<td><strong>Total Points</strong></td>
<td>10</td>
</tr>
</tbody>
</table>