Cubes and Cube Roots Worksheet

1. What does it mean to cube a number? (1 pt)

2. Complete the chart. (10 pts)

<table>
<thead>
<tr>
<th>x</th>
<th>1</th>
<th>2</th>
<th>3</th>
<th>4</th>
<th>5</th>
<th>6</th>
<th>7</th>
<th>8</th>
<th>9</th>
<th>10</th>
</tr>
</thead>
<tbody>
<tr>
<td>x^3</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
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<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

3. What does it mean to find the cube root of a number? (1 pt)

Solve. (1 pt each)
4. \(\sqrt[3]{125}\) 5. \(\sqrt[3]{1000}\) 6. \(\sqrt[3]{64}\) 7. \(\sqrt[3]{216}\)
8. \(\sqrt[3]{27}\) 9. \(\sqrt[3]{8}\) 10. \(\sqrt[3]{343}\) 11. \(\sqrt[3]{512}\)

Determine which two whole numbers the non-perfect cube is between. (1 pt each)

Use a calculator to solve. Round to the nearest hundredth. (1 pt each)