

# Square and cubic numbers

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This task is about recognising square and cubic numbers without using a calculator.



A square number is an integer that can be written as the square of some other integer. So 4 is a square number because  $2 \times 2 = 2^2 = 4$ .

A cubic number is an integer that can be written as the cube of some other integer. So 1000 is a cubic number because  $10 \times 10 \times 10 = 10^3 = 1000$ .

(Second fold along this line) .....

.....

a) Circle all the square numbers in this list:

<b>2</b>	<b>8</b>	<b>9</b>	<b>12</b>	<b>16</b>	<b>20</b>	<b>25</b>
<b>30</b>	<b>33</b>	<b>39</b>	<b>44</b>	<b>49</b>	<b>50</b>	<b>60</b>
<b>64</b>	<b>84</b>	<b>100</b>	<b>111</b>	<b>121</b>	<b>125</b>	<b>200</b>

(First fold along this line) .....

b) Circle all the cubic numbers in this list:

<b>3</b>	<b>6</b>	<b>8</b>	<b>12</b>	<b>16</b>	<b>18</b>	<b>25</b>
<b>27</b>	<b>32</b>	<b>36</b>	<b>48</b>	<b>64</b>	<b>75</b>	<b>81</b>
<b>90</b>	<b>100</b>	<b>111</b>	<b>121</b>	<b>125</b>	<b>144</b>	<b>200</b>