2.6 Cubes and Cube Roots

Perfect Cube Numbers = non-negative integers

0^3	Ô	6^3	216
13	4	7^3	343
2^3	Ŷ.	83	512
3^3	27	93	729
3 ³ 4 ³ 5 ³	64	10^3	1000
5 ³	125	11 ³	1351

Determine the cube roots of the given numbers:

Without a calculator:

3√8	3/23	- 2
$\sqrt[3]{64}$	5/43	= 4
³ √1000	3 10°s	= /0
$\sqrt[3]{125}$	\$ 53	= 5
³ √1	3/1	

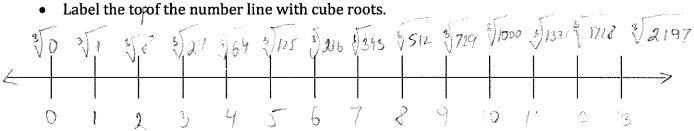
With a calculator: (round to the nearest tenth).

³ √15	≈ 2.5
³ √90	R 4.5
³ √48	R 3.6
³ √150	≈ 5.3
³ √7	~ . 1. 9

Complete the number line:

- Add arrow that show that the number line continues to positive and negative
- Label the bottom of the number line with non-negative integers.

Label the topof the number line with cube roots.



Use the above number line to estimate cube roots to the nearest tenth.

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³ √5	³ √12	$\sqrt[3]{28}$	³ √256	³ √700
≈ 1.7	₹ 2.2	≈ 3.1	≈ 6.4	\approx 7.9

Check your above estimates and note whether you were correct or not. Round to the nearest tenth.

	³ √5	³ √12	$\sqrt[3]{28}$	³ √256	³ √700
Calculated value rounded to the nearest tenth.	≈ 1.7	~ 23	€ 3.0	≈ 6.3	$\approx f.9$
Correct? Yes or No.	Y	N	N	N	ÿ