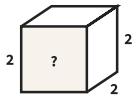


Cubes and Cube Roots

1

Work out 2^3



the same number, three times

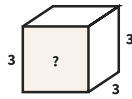
$$2 \times 2 \times 2$$

$$= \square \times \square = \square$$

Answer _____

2

Work out 3^3



the same number, three times

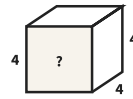
$$3 \times \square \times \square$$

$$= \square \times \square = \square$$

Answer _____

3

Work out 4^3



the same number, three times

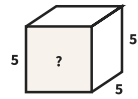
$$\square \times \square \times \square$$

$$= \square \times \square = \square$$

Answer _____

4

Work out 5^3



the same number, three times

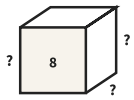
$$\square \times \square \times \square$$

$$= \square \times \square = \square$$

Answer _____

5

Work out $\sqrt[3]{8}$



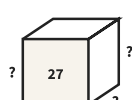
which number, three times, makes 8?

$$\square \times \square \times \square = 8$$

Answer _____

6

Work out $\sqrt[3]{27}$



$$\square \times \square \times \square = 27$$

Answer _____

7

Work out 10^3

Answer _____

8

Work out $\sqrt[3]{125}$

Answer _____

Cubes and Cube Roots *further practice*

9

Work out 6^3



Answer _____

10

Which of these are cube numbers?

8 16 27 36 64 100



Answer _____

11

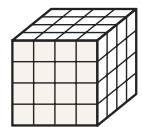
Which is bigger, 3^3 or 5^2 ?
Show how you know.



Answer _____

12

Sugar cubes are stacked to make one big solid cube. It is 4 sugar cubes long, 4 sugar cubes wide and 4 sugar cubes high. How many sugar cubes are there?



Answer _____

13

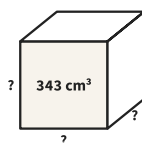
Work out $4^3 - \sqrt[3]{1000}$



Answer _____

14

A cube has a volume of 343 cm^3 .
How long is each edge?



Answer _____

15

Ben has 125 small cubes. He gets 91 more and uses all of them to make one big solid cube. How many small cubes long is each edge of the big cube?



Answer _____

16

Mia says the cube root of 64 must be bigger than the square root of 64. Is Mia right? Explain.



Answer _____