CUBES & CUBE ROOTS · GRADE 8

Cubes & Cube Roots · Grade 8

Name _____ Date _____ Score _____ / 12

01

Which of these numbers is a perfect cube: 1000, 220, 201, 121?

_____

02 7^3 = _____

03

A cube-shaped tank has a volume of 216 mm³. How long is one side?

_____

04 $\sqrt[3]{1000}$ = _____

05

A cube-shaped block has sides 3 mm long. What is its volume?

_____

06

Is 1000 a perfect cube?

_____

07

Which of these numbers is a perfect cube: 344, 99, 343, 22?

_____

08 6^3 = _____

09

A cube-shaped block has a volume of 27 m³. How long is one side?

_____

10

Is 125 a perfect cube?

_____

11

A cube has sides 6 cm long. What is its volume?

_____

12 $\sqrt[3]{64}$ = _____

Cubes & Cube Roots · Grade 8 (Answer Key)

01

Which of these numbers is a perfect cube: 1000, 220, 201, 121?

1000

02 $7^3 =$ **343**

03

A cube-shaped tank has a volume of 216 mm³. How long is one side?

6 mm

04 $\sqrt[3]{1000} =$ **10**

05

A cube-shaped block has sides 3 mm long. What is its volume?

27 mm³

06

Is 1000 a perfect cube?

yes

07

Which of these numbers is a perfect cube: 344, 99, 343, 22?

343

08 $6^3 =$ **216**

09

A cube-shaped block has a volume of 27 m³. How long is one side?

3 m

10

Is 125 a perfect cube?

yes

11

A cube has sides 6 cm long. What is its volume?

216 cm³

12 $\sqrt[3]{64} =$ **4**