CUBES & CUBE ROOTS · GRADE 8

Cubes & Cube Roots · Grade 8

Name _____ Date _____ Score _____ / 12

01

A cube has a volume of 125 cm³. How long is one side?

_____

02

A cube-shaped tank has sides 6 mm long. What is its volume?

_____

03 5^3 = _____

04 $\sqrt[3]{125}$ = _____

05 $\sqrt[3]{216}$ = _____

06 2^3 = _____

07

A cube-shaped box has sides 5 cm long. What is its volume?

_____

08

A cube has a volume of 216 m³. How long is one side?

_____

09

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

_____

10 $\sqrt[3]{8}$ = _____

11 3^3 = _____

12

A cube-shaped tank has a volume of 125 mm³. How long is one side?

_____

Cubes & Cube Roots · Grade 8 (Answer Key)

01

A cube has a volume of 125 cm³. How long is one side?

5 cm

02

A cube-shaped tank has sides 6 mm long. What is its volume?

216 mm³

03 $5^3 =$ **125**

04 $\sqrt[3]{125} =$ **5**

05 $\sqrt[3]{216} =$ **6**

06 $2^3 =$ **8**

07

A cube-shaped box has sides 5 cm long. What is its volume?

125 cm³

08

A cube has a volume of 216 m³. How long is one side?

6 m

09

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

216 cm³

10 $\sqrt[3]{8} =$ **2**

11 $3^3 =$ **27**

12

A cube-shaped tank has a volume of 125 mm³. How long is one side?

5 mm