CUBES & CUBE ROOTS · GRADE 8

Cubes & Cube Roots · Grade 8

Name _____ Date _____ Score _____ / 12

01 $\sqrt[3]{1331}$ = ____

02 $\sqrt[3]{1175}$ is between which two whole numbers?

____

03 A cube has a volume of 216 cm³. How long is one side?

____

04 Is 72 a perfect cube?

____

05 $(-5)^3$ = ____

06 $\sqrt[3]{512} \times 5$ = ____

07 A cube-shaped box has a volume of 1331 mm³. How long is one side?

____

08 $\sqrt[3]{216} \times 8$ = ____

09 $\sqrt[3]{8}$ = ____

10 $\sqrt[3]{-125}$ = ____

11 $\sqrt[3]{1303}$ is between which two whole numbers?

____

12 Is 1000 a perfect cube?

____

Cubes & Cube Roots · Grade 8 (Answer Key)

01 $\sqrt[3]{1331} =$ **11**

02

$\sqrt[3]{1175}$ is between which two whole numbers?

10 and 11

03

A cube has a volume of 216 cm³. How long is one side?

6 cm

04

Is 72 a perfect cube?

no

05 $(-5)^3 =$ **-125**

06 $\sqrt[3]{512} \times 5 =$ **40**

07

A cube-shaped box has a volume of 1331 mm³. How long is one side?

11 mm

08 $\sqrt[3]{216} \times 8 =$ **48**

09 $\sqrt[3]{8} =$ **2**

10 $\sqrt[3]{-125} =$ **-5**

11

$\sqrt[3]{1303}$ is between which two whole numbers?

10 and 11

12

Is 1000 a perfect cube?

yes