Exponents & Powers · Grade 8

Name _____ Date _____ Score _____ / 12

01 $5^{?} = 25$ ____

02 6^{3} = ____

03 $?^{2} = 36$ ____

04 6^{2} = ____

05 As a power: $4 \times 4 \times 4$ ____

06 2^{2} = ____

07 $4^{?} = 16$ ____

08 $3^{2} \circ 6^{2}$ ____

09 5^{3} = ____

10 3^{3} = ____

11 A cube-shaped box has edges 6 cm long. What is its volume?

Answer: _____

12 You fold a sheet of paper in half 5 times. How many layers thick is it?

Answer: _____

Exponents & Powers · Grade 8 (Answer Key)

01 $5^{?} = 25$ **2**

02 $6^{3} =$ **216**

03 $?^{2} = 36$ **6**

04 $6^{2} =$ **36**

05 As a power: $4 \times 4 \times 4$ 4^{3}

06 $2^{2} =$ **4**

07 $4^{?} = 16$ **2**

08 $3^{2} \circ 6^{2}$ **<**

09 $5^{3} =$ **125**

10 $3^{3} =$ **27**

11 A cube-shaped box has edges 6 cm long. What is its volume?

216 cm³

12 You fold a sheet of paper in half 5 times. How many layers thick is it?

32 layers