

# Cube Root

Tuesday, March 23, 2021 9:43 AM

$$1^3 = 1$$

$$2^3 = 8$$

$$3^3 = 27$$

$$4^3 = 64$$

$$5^3 = 125$$

$$6^3 = 216$$

$$11^3 = 1331$$

$$12^3 = 1728$$

$$13^3 = 2197$$

$$7^3 = 343$$

$$8^3 = 512$$

$$9^3 = 729$$

$$10^3 = 1000$$

$$\sqrt[3]{1217} = \sqrt[3]{12 \ 17}$$

$$7^3 = 343$$

$$\begin{aligned} 2^3 &< 12 < 3^3 \\ 8 &< 12 < 27 \end{aligned}$$

$$\boxed{23}$$

$$511 = \sqrt[3]{175 \ 616}$$

$$\begin{aligned} 5^3 &< 175 < 6^3 \\ 125 &< 175 < 216 \end{aligned}$$

$$6^3 = 216$$

$$\boxed{56}$$

$\Rightarrow$

$$3 \leftrightarrow 7$$

$$2 \leftrightarrow 8$$

$$1 \leftrightarrow 1$$

$$4 \leftrightarrow 4$$

$$5 \leftrightarrow 5$$

$$6 \leftrightarrow 6$$

$$9 \leftrightarrow 9$$

$$10 \leftrightarrow 0$$

$$\underline{\underline{ex}} \quad \sqrt[3]{46656}$$

$$\underline{\underline{ex}} \quad \sqrt[3]{103823}$$

$$\underline{\underline{ex}} \quad \sqrt[3]{405224}$$

$$4^3 \rightarrow 64$$

$$74 \underline{\underline{}} \underline{\underline{}}$$

$$\begin{array}{r} 3 \\ 3 \\ 343165512 \end{array}$$