The **square root** of a number is a value that, when multiplied by itself, gives the number.



What two whole numbers does each square root fall between?

$\sqrt{99}$

**Between 9 & 10**

$$\sqrt{140}$$

**Between 11 & 12**

Find each square root to the nearest tenth:

$$\sqrt{37}$$

**6.1**

$$\sqrt{66}$$

**8.1**

Find each square root to the nearest hundredth:

$$\sqrt{220}$$

**14.83**

$$\sqrt{28}$$

**5.29**

Place the following numbers in their approximate location on the number line:

$$\sqrt{82}$$

$$\sqrt{50}$$

$$\sqrt{85.1}$$

$$\sqrt{60}$$

$$\sqrt{78}$$

 $\sqrt{50}$ $\sqrt{60}$ $ \sqrt{78}$ $\sqrt{82} \sqrt{85.1}$

Place the following numbers in their approximate location on the number line:

$$\sqrt{15.6}$$

$$\sqrt{23.5}$$

$$\sqrt{38.4}$$

$$\sqrt{13.5}$$

$$\sqrt{5}$$

$ \sqrt{5}$ $ \sqrt{13.5}\sqrt{15.6}$ $\sqrt{23.5}$ $ \sqrt{38.4}$

Place the following numbers in their approximate location on the number line:

$$\sqrt{162}$$

$$\sqrt{144}$$

$$\sqrt{125}$$

$$\sqrt{214}$$

$$\sqrt{170}$$

$ \sqrt{125}$ $ \sqrt{144}$ $\sqrt{162}$ $ \sqrt{170}$ $\sqrt{214}$

The **cube root** of a number is a value that, when multiplied three times, gives the number.



What two whole numbers does each cube root fall between?

$$\sqrt[3]{37}$$

**Between 3 & 4**

$$\sqrt[3]{785}$$

**Between 9 & 10**

Find each cube root to the nearest thousandth:

$$\sqrt[3]{302}$$

**6.709**

$$\sqrt[3]{12}$$

**2.289**

Find each cube root to the nearest tenth:

$$\sqrt[3]{645}$$

**8.6**

$$\sqrt[3]{157}$$

**5.4**

Place the following numbers in their approximate location on the number line:

$$\sqrt[3]{216}$$

$$\sqrt[3]{79}$$

$$\sqrt[3]{154}$$

$$\sqrt[3]{42}$$

 $\sqrt[3]{42}$ $ \sqrt[3]{79}$ $ \sqrt[3]{154}$ $\sqrt[3]{216}$

Place the following numbers in their approximate location on the number line:

$$\sqrt[3]{675}$$

$$\sqrt[3]{901}$$

$$\sqrt[3]{729}$$

$$\sqrt[3]{856}$$

 $\sqrt[3]{675}$ $ \sqrt[3]{729}$ $\sqrt[3]{856}$ $ \sqrt[3]{901}$

Place the following numbers in their approximate location on the number line:

$$\sqrt[3]{52}$$

$$\sqrt[3]{100}$$

$$\sqrt[3]{17}$$

$$\sqrt[3]{234}$$

$ \sqrt[3]{17}$ $\sqrt[3]{52}$ $\sqrt[3]{100}$ $\sqrt[3]{234}$