

What does square root mean?

We can estimate square roots.

$$\sqrt{15}$$

between: _____

estimate _____

$$\sqrt{5}$$

between: _____

estimate _____

$$\sqrt{72}$$

between: _____

estimate _____

We can also simplify square roots. We need to "break them down" into their factors.

$$\sqrt{8}$$

$$\sqrt{600}$$

$$\sqrt{14}$$

$$\sqrt{256}$$

When you square a square root, make sure to square ALL of the parts:

$$(5\sqrt{6})^2 =$$

$$(2\sqrt{12})^2 =$$

We can not leave a square root in the denominator. We call this **RATIONALIZING** the denominator.

$$\frac{3}{\sqrt{5}}$$

$$\frac{8}{\sqrt{6}}$$

$$\frac{24}{5\sqrt{6}}$$