

TRY THIS

Determine the value of each radical.

Radical	Value	Is the Value Exact or Approximate?
$\sqrt{16}$	4	Exact
$\sqrt{27}$	$\sqrt{\frac{27}{5}} \sqrt{\frac{36}{6}} = \frac{\sqrt{27}}{\sqrt{5}}$	≈ 5.1 App
$\sqrt{\frac{16}{81}}$	$\frac{\sqrt{16}}{\sqrt{81}} = \frac{4}{9}$	Exact
$\sqrt{0.64}$	$\frac{\sqrt{64}}{\sqrt{100}} = \frac{8}{10}$	$= 0.8$ Exact
$\sqrt[3]{16}$	$\sqrt[3]{8} \sqrt[3]{27}$	≈ 2.4 App
$\sqrt[3]{27}$	3	Exact
$\sqrt[3]{\frac{16}{18}}$	$\sqrt[3]{\frac{16}{18}}$	Approx

$$\sqrt[3]{\frac{16}{18}}$$

Entire Radicals
(mixed \Rightarrow entire)

mixed		entire
$a \sqrt[n]{b}$	\rightarrow	$\sqrt{(a^n) \cdot b}$

Express as an entire radical.

$$3\sqrt{5}$$

Express as an entire radical.

$$2\sqrt[4]{7}$$