

平方根基礎②

\sqrt{a} のかたちにしましょう

$a\sqrt{b}$ のかたちにしましょう

分母を有利化してみましょう

$$2\sqrt{5} = \sqrt{20}$$

$$3\sqrt{3} = \sqrt{27}$$

$$3\sqrt{5} = \sqrt{45}$$

$$5\sqrt{2} = \sqrt{50}$$

$$4\sqrt{3} = \sqrt{48}$$

$$2\sqrt{10} = \sqrt{40}$$

$$3\sqrt{7} = \sqrt{63}$$

$$4\sqrt{2} = \sqrt{32}$$

$$\sqrt{8} = 2\sqrt{2}$$

$$\sqrt{18} = 3\sqrt{2}$$

$$\sqrt{24} = 2\sqrt{6}$$

$$\sqrt{54} = 3\sqrt{6}$$

$$\sqrt{32} = 4\sqrt{2}$$

$$\sqrt{75} = 5\sqrt{3}$$

$$\sqrt{80} = 4\sqrt{5}$$

$$\sqrt{90} = 3\sqrt{10}$$

$$\sqrt{200} = 10\sqrt{2}$$

$$\sqrt{300} = 10\sqrt{3}$$

$$\sqrt{500} = 10\sqrt{5}$$

$$\sqrt{3000} = 10\sqrt{30}$$

$$\sqrt{7000} = 10\sqrt{70}$$

$$\sqrt{20000} = 100\sqrt{2}$$

$$\sqrt{30000} = 100\sqrt{3}$$

$$\sqrt{50000} = 100\sqrt{5}$$

$$\frac{2}{\sqrt{3}} = \frac{2\sqrt{3}}{3}$$

$$\frac{5}{\sqrt{2}} = \frac{5\sqrt{2}}{2}$$

$$\frac{1}{\sqrt{2}} = \frac{\sqrt{2}}{2}$$

$$\frac{6}{\sqrt{2}} = \frac{3\sqrt{2}}{1}$$

$$\frac{5}{2\sqrt{5}} = \frac{\sqrt{5}}{2}$$

$$\frac{3\sqrt{2}}{\sqrt{6}} = \frac{3\sqrt{12}}{6} = \frac{2\sqrt{3}}{1}$$

$$\frac{3\sqrt{2}}{2\sqrt{5}} = \frac{3\sqrt{10}}{10}$$

$$\frac{\sqrt{6}}{2\sqrt{5}} = \frac{\sqrt{30}}{10}$$

$$\frac{\sqrt{15}}{50\sqrt{2}} = \frac{\sqrt{30}}{100}$$

$$\frac{\sqrt{10}}{5\sqrt{2}} = \frac{\sqrt{20}}{10} = \frac{\sqrt{5}}{5}$$