

分母の有理化

年 組 名前

/24

■ 次の分数の分母を有理化しなさい。

① $\frac{3\sqrt{2}}{5\sqrt{5}}$

② $\frac{5}{\sqrt{20}}$

③ $\frac{1}{\sqrt{28}}$

④ $\frac{\sqrt{3}}{\sqrt{14}}$

⑤ $\frac{\sqrt{5}}{5\sqrt{14}}$

⑥ $\frac{2}{3\sqrt{7}}$

⑦ $\frac{3}{4\sqrt{6}}$

⑧ $\frac{1}{3\sqrt{2}}$

⑨ $\frac{\sqrt{5}}{\sqrt{3}}$

⑩ $\frac{1}{\sqrt{35}}$

⑪ $\frac{\sqrt{5}}{\sqrt{6}}$

⑫ $\frac{\sqrt{3}}{2\sqrt{5}}$

⑬ $\frac{1}{3\sqrt{14}}$

⑭ $\frac{2\sqrt{2}}{3\sqrt{21}}$

⑮ $\frac{1}{\sqrt{18}}$

⑯ $\frac{\sqrt{2}}{3\sqrt{3}}$

⑰ $\frac{3}{\sqrt{8}}$

⑱ $\frac{\sqrt{6}}{3\sqrt{5}}$

⑲ $\frac{5}{\sqrt{10}}$

⑳ $\frac{1}{\sqrt{2}}$

㉑ $\frac{1}{4\sqrt{15}}$

㉒ $\frac{\sqrt{2}}{\sqrt{15}}$

㉓ $\frac{1}{\sqrt{42}}$

㉔ $\frac{\sqrt{2}}{\sqrt{7}}$

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$$\textcircled{1} \quad \frac{3\sqrt{2}}{5\sqrt{5}}$$

$$\frac{3\sqrt{10}}{25}$$

$$\textcircled{2} \quad \frac{5}{\sqrt{20}}$$

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

$$\textcircled{3} \quad \frac{1}{\sqrt{28}}$$

$$\frac{\sqrt{7}}{14}$$

$$\textcircled{4} \quad \frac{\sqrt{3}}{\sqrt{14}}$$

$$\frac{\sqrt{42}}{14}$$

$$\textcircled{5} \quad \frac{\sqrt{5}}{5\sqrt{14}}$$

$$\frac{\sqrt{70}}{70}$$

$$\textcircled{6} \quad \frac{2}{3\sqrt{7}}$$

$$\frac{2\sqrt{7}}{21}$$

$$\textcircled{7} \quad \frac{3}{4\sqrt{6}}$$

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

$$\textcircled{8} \quad \frac{1}{3\sqrt{2}}$$

$$\frac{\sqrt{2}}{6}$$

$$\textcircled{9} \quad \frac{\sqrt{5}}{\sqrt{3}}$$

$$\frac{\sqrt{15}}{3}$$

$$\textcircled{10} \quad \frac{1}{\sqrt{35}}$$

$$\frac{\sqrt{35}}{35}$$

$$\textcircled{11} \quad \frac{\sqrt{5}}{\sqrt{6}}$$

$$\frac{\sqrt{30}}{6}$$

$$\textcircled{12} \quad \frac{\sqrt{3}}{2\sqrt{5}}$$

$$\frac{\sqrt{15}}{10}$$

$$\textcircled{13} \quad \frac{1}{3\sqrt{14}}$$

$$\frac{\sqrt{14}}{42}$$

$$\textcircled{14} \quad \frac{2\sqrt{2}}{3\sqrt{21}}$$

$$\frac{2\sqrt{42}}{63}$$

$$\textcircled{15} \quad \frac{1}{\sqrt{18}}$$

$$\frac{\sqrt{2}}{6}$$

$$\textcircled{16} \quad \frac{\sqrt{2}}{3\sqrt{3}}$$

$$\frac{\sqrt{6}}{9}$$

$$\textcircled{17} \quad \frac{3}{\sqrt{8}}$$

$$\frac{3\sqrt{2}}{4}$$

$$\textcircled{18} \quad \frac{\sqrt{6}}{3\sqrt{5}}$$

$$\frac{\sqrt{30}}{15}$$

$$\textcircled{19} \quad \frac{5}{\sqrt{10}}$$

$$\frac{\sqrt{10}}{2}$$

$$\textcircled{20} \quad \frac{1}{\sqrt{2}}$$

$$\frac{\sqrt{2}}{2}$$

$$\textcircled{21} \quad \frac{1}{4\sqrt{15}}$$

$$\frac{\sqrt{15}}{60}$$

$$\textcircled{22} \quad \frac{\sqrt{2}}{\sqrt{15}}$$

$$\frac{\sqrt{30}}{15}$$

$$\textcircled{23} \quad \frac{1}{\sqrt{42}}$$

$$\frac{\sqrt{42}}{42}$$

$$\textcircled{24} \quad \frac{\sqrt{2}}{\sqrt{7}}$$

$$\frac{\sqrt{14}}{7}$$