

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

② $\frac{\sqrt{2}}{2\sqrt{7}}$

③ $\frac{\sqrt{2}}{\sqrt{15}}$

④ $\frac{3\sqrt{5}}{5\sqrt{3}}$

⑤ $\frac{3}{\sqrt{20}}$

⑥ $\frac{1}{4\sqrt{2}}$

⑦ $\frac{\sqrt{5}}{5\sqrt{6}}$

⑧ $\frac{\sqrt{3}}{\sqrt{14}}$

⑨ $\frac{2}{3\sqrt{6}}$

⑩ $\frac{\sqrt{5}}{3\sqrt{7}}$

⑪ $\frac{1}{2\sqrt{5}}$

⑫ $\frac{3}{\sqrt{21}}$

⑬ $\frac{1}{3\sqrt{21}}$

⑭ $\frac{\sqrt{3}}{2\sqrt{5}}$

⑮ $\frac{1}{\sqrt{24}}$

⑯ $\frac{5}{\sqrt{28}}$

⑰ $\frac{1}{3\sqrt{7}}$

⑱ $\frac{2\sqrt{6}}{5\sqrt{7}}$

⑲ $\frac{1}{\sqrt{30}}$

⑳ $\frac{\sqrt{2}}{\sqrt{21}}$

㉑ $\frac{2}{\sqrt{8}}$

㉒ $\frac{\sqrt{5}}{3\sqrt{14}}$

㉓ $\frac{1}{\sqrt{42}}$

㉔ $\frac{\sqrt{5}}{\sqrt{2}}$

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$$\textcircled{1} \quad \frac{2}{\sqrt{10}}$$

$$\frac{\sqrt{10}}{5}$$

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

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

$$\textcircled{3} \quad \frac{\sqrt{2}}{\sqrt{15}}$$

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

$$\textcircled{4} \quad \frac{3\sqrt{5}}{5\sqrt{3}}$$

$$\frac{\sqrt{15}}{5}$$

$$\textcircled{5} \quad \frac{3}{\sqrt{20}}$$

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

$$\textcircled{6} \quad \frac{1}{4\sqrt{2}}$$

$$\frac{\sqrt{2}}{8}$$

$$\textcircled{7} \quad \frac{\sqrt{5}}{5\sqrt{6}}$$

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

$$\textcircled{8} \quad \frac{\sqrt{3}}{\sqrt{14}}$$

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

$$\textcircled{9} \quad \frac{2}{3\sqrt{6}}$$

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

$$\textcircled{10} \quad \frac{\sqrt{5}}{3\sqrt{7}}$$

$$\frac{\sqrt{35}}{21}$$

$$\textcircled{11} \quad \frac{1}{2\sqrt{5}}$$

$$\frac{\sqrt{5}}{10}$$

$$\textcircled{12} \quad \frac{3}{\sqrt{21}}$$

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

$$\textcircled{13} \quad \frac{1}{3\sqrt{21}}$$

$$\frac{\sqrt{21}}{63}$$

$$\textcircled{14} \quad \frac{\sqrt{3}}{2\sqrt{5}}$$

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

$$\textcircled{15} \quad \frac{1}{\sqrt{24}}$$

$$\frac{\sqrt{6}}{12}$$

$$\textcircled{16} \quad \frac{5}{\sqrt{28}}$$

$$\frac{5\sqrt{7}}{14}$$

$$\textcircled{17} \quad \frac{1}{3\sqrt{7}}$$

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

$$\textcircled{18} \quad \frac{2\sqrt{6}}{5\sqrt{7}}$$

$$\frac{2\sqrt{42}}{35}$$

$$\textcircled{19} \quad \frac{1}{\sqrt{30}}$$

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

$$\textcircled{20} \quad \frac{\sqrt{2}}{\sqrt{21}}$$

$$\frac{\sqrt{42}}{21}$$

$$\textcircled{21} \quad \frac{2}{\sqrt{8}}$$

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

$$\textcircled{22} \quad \frac{\sqrt{5}}{3\sqrt{14}}$$

$$\frac{\sqrt{70}}{42}$$

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

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

$$\textcircled{24} \quad \frac{\sqrt{5}}{\sqrt{2}}$$

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