

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 $\frac{1}{2\sqrt{15}}$

② $\frac{\sqrt{3}}{\sqrt{2}}$

③ $\frac{1}{\sqrt{7}}$

④ $\frac{1}{3\sqrt{7}}$

⑤ $\frac{3\sqrt{3}}{5\sqrt{14}}$

⑥ $\frac{1}{\sqrt{15}}$

⑦ $\frac{2}{\sqrt{20}}$

⑧ $\frac{2}{3\sqrt{21}}$

⑨ $\frac{1}{3\sqrt{2}}$

⑩ $\frac{\sqrt{5}}{\sqrt{3}}$

⑪ $\frac{3}{\sqrt{10}}$

⑫ $\frac{3}{4\sqrt{3}}$

⑬ $\frac{\sqrt{3}}{\sqrt{5}}$

⑭ $\frac{\sqrt{2}}{5\sqrt{7}}$

⑮ $\frac{5}{\sqrt{8}}$

⑯ $\frac{\sqrt{3}}{2\sqrt{7}}$

⑰ $\frac{\sqrt{2}}{3\sqrt{15}}$

⑱ $\frac{\sqrt{5}}{3\sqrt{6}}$

⑲ $\frac{2}{\sqrt{5}}$

⑳ $\frac{2\sqrt{5}}{3\sqrt{2}}$

㉑ $\frac{1}{2\sqrt{10}}$

㉒ $\frac{\sqrt{2}}{2\sqrt{3}}$

㉓ $\frac{1}{\sqrt{12}}$

㉔ $\frac{\sqrt{5}}{\sqrt{7}}$

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$$\textcircled{1} \frac{1}{2\sqrt{15}}$$

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

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

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

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

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

$$\textcircled{4} \frac{1}{3\sqrt{7}}$$

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

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

$$\frac{3\sqrt{42}}{70}$$

$$\textcircled{6} \frac{1}{\sqrt{15}}$$

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

$$\textcircled{7} \frac{2}{\sqrt{20}}$$

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

$$\textcircled{8} \frac{2}{3\sqrt{21}}$$

$$\frac{2\sqrt{21}}{63}$$

$$\textcircled{9} \frac{1}{3\sqrt{2}}$$

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

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

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

$$\textcircled{11} \frac{3}{\sqrt{10}}$$

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

$$\textcircled{12} \frac{3}{4\sqrt{3}}$$

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

$$\textcircled{13} \frac{\sqrt{3}}{\sqrt{5}}$$

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

$$\textcircled{14} \frac{\sqrt{2}}{5\sqrt{7}}$$

$$\frac{\sqrt{14}}{35}$$

$$\textcircled{15} \frac{5}{\sqrt{8}}$$

$$\frac{5\sqrt{2}}{4}$$

$$\textcircled{16} \frac{\sqrt{3}}{2\sqrt{7}}$$

$$\frac{\sqrt{21}}{14}$$

$$\textcircled{17} \frac{\sqrt{2}}{3\sqrt{15}}$$

$$\frac{\sqrt{30}}{45}$$

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

$$\frac{\sqrt{30}}{18}$$

$$\textcircled{19} \frac{2}{\sqrt{5}}$$

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

$$\textcircled{20} \frac{2\sqrt{5}}{3\sqrt{2}}$$

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

$$\textcircled{21} \frac{1}{2\sqrt{10}}$$

$$\frac{\sqrt{10}}{20}$$

$$\textcircled{22} \frac{\sqrt{2}}{2\sqrt{3}}$$

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

$$\textcircled{23} \frac{1}{\sqrt{12}}$$

$$\frac{\sqrt{3}}{6}$$

$$\textcircled{24} \frac{\sqrt{5}}{\sqrt{7}}$$

$$\frac{\sqrt{35}}{7}$$