

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 $\frac{2\sqrt{2}}{5\sqrt{21}}$

② $\frac{\sqrt{3}}{3\sqrt{14}}$

③ $\frac{2\sqrt{3}}{3\sqrt{7}}$

④ $\frac{1}{3\sqrt{10}}$

⑤ $\frac{1}{\sqrt{24}}$

⑥ $\frac{\sqrt{2}}{\sqrt{15}}$

⑦ $\frac{2}{\sqrt{21}}$

⑧ $\frac{1}{\sqrt{3}}$

⑨ $\frac{2}{\sqrt{8}}$

⑩ $\frac{1}{\sqrt{10}}$

⑪ $\frac{\sqrt{2}}{2\sqrt{7}}$

⑫ $\frac{1}{3\sqrt{6}}$

⑬ $\frac{2}{\sqrt{12}}$

⑭ $\frac{1}{2\sqrt{5}}$

⑮ $\frac{5}{\sqrt{5}}$

⑯ $\frac{\sqrt{3}}{\sqrt{2}}$

⑰ $\frac{\sqrt{5}}{5\sqrt{14}}$

⑱ $\frac{\sqrt{6}}{2\sqrt{5}}$

⑲ $\frac{5}{\sqrt{28}}$

⑳ $\frac{1}{2\sqrt{2}}$

㉑ $\frac{3}{4\sqrt{15}}$

㉒ $\frac{\sqrt{6}}{\sqrt{7}}$

㉓ $\frac{1}{\sqrt{30}}$

㉔ $\frac{1}{4\sqrt{3}}$

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$$\textcircled{1} \frac{2\sqrt{2}}{5\sqrt{21}}$$

$$\frac{2\sqrt{42}}{105}$$

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

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

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

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

$$\textcircled{4} \frac{1}{3\sqrt{10}}$$

$$\frac{\sqrt{10}}{30}$$

$$\textcircled{5} \frac{1}{\sqrt{24}}$$

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

$$\textcircled{6} \frac{\sqrt{2}}{\sqrt{15}}$$

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

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

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

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

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

$$\textcircled{9} \frac{2}{\sqrt{8}}$$

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

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

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

$$\textcircled{11} \frac{\sqrt{2}}{2\sqrt{7}}$$

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

$$\textcircled{12} \frac{1}{3\sqrt{6}}$$

$$\frac{\sqrt{6}}{18}$$

$$\textcircled{13} \frac{2}{\sqrt{12}}$$

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

$$\textcircled{14} \frac{1}{2\sqrt{5}}$$

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

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

$$\sqrt{5}$$

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

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

$$\textcircled{17} \frac{\sqrt{5}}{5\sqrt{14}}$$

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

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

$$\frac{\sqrt{30}}{10}$$

$$\textcircled{19} \frac{5}{\sqrt{28}}$$

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

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

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

$$\textcircled{21} \frac{3}{4\sqrt{15}}$$

$$\frac{\sqrt{15}}{20}$$

$$\textcircled{22} \frac{\sqrt{6}}{\sqrt{7}}$$

$$\frac{\sqrt{42}}{7}$$

$$\textcircled{23} \frac{1}{\sqrt{30}}$$

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

$$\textcircled{24} \frac{1}{4\sqrt{3}}$$

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