

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

② $\frac{1}{\sqrt{15}}$

③ $\frac{\sqrt{3}}{\sqrt{2}}$

④ $\frac{2\sqrt{5}}{5\sqrt{6}}$

⑤ $\frac{\sqrt{3}}{5\sqrt{5}}$

⑥ $\frac{\sqrt{5}}{\sqrt{14}}$

⑦ $\frac{\sqrt{2}}{3\sqrt{7}}$

⑧ $\frac{1}{2\sqrt{15}}$

⑨ $\frac{1}{\sqrt{20}}$

⑩ $\frac{\sqrt{2}}{2\sqrt{15}}$

⑪ $\frac{1}{3\sqrt{10}}$

⑫ $\frac{3}{\sqrt{3}}$

⑬ $\frac{5}{\sqrt{28}}$

⑭ $\frac{3\sqrt{2}}{5\sqrt{5}}$

⑮ $\frac{2}{3\sqrt{14}}$

⑯ $\frac{2\sqrt{3}}{3\sqrt{7}}$

⑰ $\frac{2}{\sqrt{8}}$

⑱ $\frac{3}{\sqrt{24}}$

⑲ $\frac{1}{\sqrt{7}}$

⑳ $\frac{\sqrt{6}}{\sqrt{7}}$

㉑ $\frac{1}{\sqrt{18}}$

㉒ $\frac{3\sqrt{3}}{2\sqrt{14}}$

㉓ $\frac{2}{\sqrt{2}}$

㉔ $\frac{\sqrt{5}}{\sqrt{7}}$

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

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

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

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

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

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

$$\textcircled{4} \frac{2\sqrt{5}}{5\sqrt{6}}$$

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

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

$$\frac{\sqrt{15}}{25}$$

$$\textcircled{6} \frac{\sqrt{5}}{\sqrt{14}}$$

$$\frac{\sqrt{70}}{14}$$

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

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

$$\textcircled{8} \frac{1}{2\sqrt{15}}$$

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

$$\textcircled{9} \frac{1}{\sqrt{20}}$$

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

$$\textcircled{10} \frac{\sqrt{2}}{2\sqrt{15}}$$

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

$$\textcircled{11} \frac{1}{3\sqrt{10}}$$

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

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

$$\sqrt{3}$$

$$\textcircled{13} \frac{5}{\sqrt{28}}$$

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

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

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

$$\textcircled{15} \frac{2}{3\sqrt{14}}$$

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

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

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

$$\textcircled{17} \frac{2}{\sqrt{8}}$$

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

$$\textcircled{18} \frac{3}{\sqrt{24}}$$

$$\frac{\sqrt{6}}{4}$$

$$\textcircled{19} \frac{1}{\sqrt{7}}$$

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

$$\textcircled{20} \frac{\sqrt{6}}{\sqrt{7}}$$

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

$$\textcircled{21} \frac{1}{\sqrt{18}}$$

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

$$\textcircled{22} \frac{3\sqrt{3}}{2\sqrt{14}}$$

$$\frac{3\sqrt{42}}{28}$$

$$\textcircled{23} \frac{2}{\sqrt{2}}$$

$$\sqrt{2}$$

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

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