

■ 次の計算をなさい。

①  $\sqrt{15} \times \sqrt{20}$

②  $2\sqrt{10} \times \sqrt{22}$

③  $\sqrt{14} \times 2\sqrt{7}$

④  $2\sqrt{3} \times \sqrt{3}$

⑤  $\sqrt{15} \times \sqrt{12}$

⑥  $\sqrt{35} \times 2\sqrt{10}$

⑦  $\sqrt{12} \times \sqrt{10}$

⑧  $\sqrt{14} \times \sqrt{2}$

⑨  $\sqrt{35} \times \sqrt{10}$

⑩  $\sqrt{18} \times \sqrt{15}$

⑪  $\sqrt{40} \times \sqrt{2}$

⑫  $\sqrt{32} \times \sqrt{28}$

⑬  $\sqrt{20} \times \sqrt{12}$

⑭  $\sqrt{40} \times \sqrt{10}$

⑮  $\sqrt{40} \times \sqrt{14}$

⑯  $\sqrt{18} \times \sqrt{14}$

■ 次の計算をなさい。

$$\begin{aligned} \textcircled{1} \quad & \sqrt{15} \times \sqrt{20} \\ & = \sqrt{3 \times 5 \times 2 \times 2 \times 5} \\ & = 10\sqrt{3} \end{aligned}$$

$$\begin{aligned} \textcircled{2} \quad & 2\sqrt{10} \times \sqrt{22} \\ & = 2\sqrt{2 \times 5 \times 2 \times 11} \\ & = 4\sqrt{55} \end{aligned}$$

$$\begin{aligned} \textcircled{3} \quad & \sqrt{14} \times 2\sqrt{7} \\ & = 2\sqrt{2 \times 7 \times 7} \\ & = 14\sqrt{2} \end{aligned}$$

$$\begin{aligned} \textcircled{4} \quad & 2\sqrt{3} \times \sqrt{3} \\ & = 2\sqrt{3 \times 3} \\ & = 6 \end{aligned}$$

$$\begin{aligned} \textcircled{5} \quad & \sqrt{15} \times \sqrt{12} \\ & = \sqrt{3 \times 5 \times 2 \times 2 \times 3} \\ & = 6\sqrt{5} \end{aligned}$$

$$\begin{aligned} \textcircled{6} \quad & \sqrt{35} \times 2\sqrt{10} \\ & = 2\sqrt{5 \times 7 \times 2 \times 5} \\ & = 10\sqrt{14} \end{aligned}$$

$$\begin{aligned} \textcircled{7} \quad & \sqrt{12} \times \sqrt{10} \\ & = \sqrt{2 \times 2 \times 3 \times 2 \times 5} \\ & = 2\sqrt{30} \end{aligned}$$

$$\begin{aligned} \textcircled{8} \quad & \sqrt{14} \times \sqrt{2} \\ & = \sqrt{2 \times 7 \times 2} \\ & = 2\sqrt{7} \end{aligned}$$

$$\begin{aligned} \textcircled{9} \quad & \sqrt{35} \times \sqrt{10} \\ & = \sqrt{5 \times 7 \times 2 \times 5} \\ & = 5\sqrt{14} \end{aligned}$$

$$\begin{aligned} \textcircled{10} \quad & \sqrt{18} \times \sqrt{15} \\ & = \sqrt{2 \times 3 \times 3 \times 3 \times 5} \\ & = 3\sqrt{30} \end{aligned}$$

$$\begin{aligned} \textcircled{11} \quad & \sqrt{40} \times \sqrt{2} \\ & = \sqrt{2 \times 2 \times 2 \times 5 \times 2} \\ & = 4\sqrt{5} \end{aligned}$$

$$\begin{aligned} \textcircled{12} \quad & \sqrt{32} \times \sqrt{28} \\ & = \sqrt{2 \times 2 \times 2 \times 2 \times 2 \times 2 \times 2 \times 2 \times 7} \\ & = 8\sqrt{14} \end{aligned}$$

$$\begin{aligned} \textcircled{13} \quad & \sqrt{20} \times \sqrt{12} \\ & = \sqrt{2 \times 2 \times 5 \times 2 \times 2 \times 3} \\ & = 4\sqrt{15} \end{aligned}$$

$$\begin{aligned} \textcircled{14} \quad & \sqrt{40} \times \sqrt{10} \\ & = \sqrt{2 \times 2 \times 2 \times 5 \times 2 \times 5} \\ & = 20 \end{aligned}$$

$$\begin{aligned} \textcircled{15} \quad & \sqrt{40} \times \sqrt{14} \\ & = \sqrt{2 \times 2 \times 2 \times 5 \times 2 \times 7} \\ & = 4\sqrt{35} \end{aligned}$$

$$\begin{aligned} \textcircled{16} \quad & \sqrt{18} \times \sqrt{14} \\ & = \sqrt{2 \times 3 \times 3 \times 2 \times 7} \\ & = 6\sqrt{7} \end{aligned}$$