

めあて

はじめた時間 :

□ 次の計算をしろ。

$$(1) \sqrt{3} \times \sqrt{5} = \sqrt{3 \times 5} = \sqrt{15}$$

$$(2) \sqrt{6} \times \sqrt{8} = \sqrt{2 \times 3} \times \sqrt{2^3}$$

$$\begin{aligned} \sqrt{6} \times \sqrt{8} &= \sqrt{2^4 \times 3} = 2^2 \sqrt{3} \\ &= 4\sqrt{3} \end{aligned}$$

$$(3) \sqrt{45} \times \sqrt{15} = \sqrt{3^2 \times 5} \times \sqrt{3 \times 5}$$

$$\begin{aligned} &= 3\sqrt{5} \times \sqrt{3 \times 5} \\ (3 \times \sqrt{5} \times \sqrt{3 \times 5}) &= 15\sqrt{3} \end{aligned}$$

$$(4) -5\sqrt{3} \times 2\sqrt{6} = -5\sqrt{3} \times 2\sqrt{2 \times 3}$$

$$\begin{aligned} &= -10 \times \sqrt{2 \times 3} \\ &= -10 \times 3\sqrt{2} \\ &= -30\sqrt{2} \end{aligned}$$

$$(5) \sqrt{15} \times (-\sqrt{15}) = -(\sqrt{15})^2 = -15$$

$$\begin{aligned} (6) 2\sqrt{3} \times \sqrt{15} \times \sqrt{21} \\ &= 2\sqrt{3 \times 3 \times 5} \times \sqrt{3 \times 7} \\ &= 6\sqrt{105} \end{aligned}$$

$$\begin{aligned} (7) -\sqrt{3} \times (-\sqrt{3}) \times \sqrt{21} \\ &= 3 \times \sqrt{21} = 3\sqrt{21} \end{aligned}$$

$$\begin{aligned} (8) \sqrt{16} \times (-\sqrt{64}) \times \sqrt{4} \\ &= 4 \times (-\sqrt{2^6}) \times 2 \\ &= 4 \times (-8) \times 2 \\ &= -64 \end{aligned}$$

ふりかえり

おえた時間 :