

めあて

はじめた時間 :

□ 次の計算をしよう。

$$(1) \sqrt{12} \div \sqrt{6} = \sqrt{12} \times \frac{1}{\sqrt{6}} \\ = \frac{\sqrt{12}}{\sqrt{6}} = \frac{\sqrt{2 \times 6}}{\sqrt{6}} \\ = \sqrt{2}$$

$$(2) -\sqrt{54} \div \sqrt{6} = -\sqrt{54} \times \frac{1}{\sqrt{6}} \\ = -\frac{\sqrt{54}}{\sqrt{6}} = -\frac{3\sqrt{6}}{\sqrt{6}} \\ = -3$$

$$\begin{array}{r} 2 \overline{) 54} \\ \underline{42} \\ 12 \\ \underline{12} \\ 0 \end{array}$$

$$(3) \sqrt{50} \div \sqrt{5} = \sqrt{50} \times \frac{1}{\sqrt{5}} \\ = \frac{\sqrt{50}}{\sqrt{5}} = \frac{5\sqrt{2}}{\sqrt{5}} \\ = \frac{5\sqrt{10}}{5} = \sqrt{10}$$

$$(4) \sqrt{48} \div 4\sqrt{3} = \sqrt{48} \times \frac{1}{4\sqrt{3}} \\ = 1$$

$$\begin{array}{r} 2 \overline{) 48} \\ \underline{40} \\ 8 \\ \underline{6} \\ 2 \\ \underline{2} \\ 0 \end{array}$$

$$(5) 3\sqrt{10} \div \sqrt{2} \div (-\sqrt{5})$$

$$= 3\sqrt{10} \times \frac{1}{\sqrt{2}} \times \left(-\frac{1}{\sqrt{5}}\right) \\ = \frac{3\sqrt{10}}{\sqrt{10}} = -3$$

$$(6) \sqrt{70} \times \sqrt{2} \div \sqrt{10}$$

$$= \sqrt{70} \times \sqrt{2} \times \frac{1}{\sqrt{10}} \\ = \frac{(2 \times 5 \times 7) \times (2)}{\sqrt{10}} = \frac{2\sqrt{35}}{\sqrt{10}} \\ = \frac{2\sqrt{35} \times \sqrt{10}}{\sqrt{10} \times \sqrt{10}} = \frac{2\sqrt{350}}{10} \\ = \frac{2\sqrt{2 \times 5 \times 5 \times 7}}{10} = \frac{2\sqrt{14}}{5} = \sqrt{14}$$

$$\begin{array}{r} 2 \overline{) 70} \\ \underline{40} \\ 30 \\ \underline{28} \\ 2 \\ \underline{2} \\ 0 \end{array}$$

ふりかえり

おえた時間 :