

中1～第7回正の数・負の数の除法～

氏名：

解答・解説

例題 次の計算をなさい。

(1) $(+16) \div (+2) = +8$

(2) $28 \div (-7) = -4$

(3) $(-4) \div (-7) = +\frac{4}{7}$

(4)
$$\begin{aligned} \left(-\frac{2}{3}\right) \div \frac{8}{9} &= \left(-\frac{2}{3}\right) \times \left(\frac{9}{8}\right) \\ &= -\frac{\cancel{2}^1}{\cancel{8}_4} \times \frac{\cancel{9}_3}{\cancel{8}_4} \\ &= -\frac{3}{4} \end{aligned}$$

(5)
$$\begin{aligned} \left(-\frac{3}{10}\right) \div (-0.9) & \quad \nearrow 0.9 = \frac{9}{10} \\ &= \left(-\frac{3}{10}\right) \div \left(-\frac{9}{10}\right) \\ &= \left(-\frac{3}{10}\right) \times \left(-\frac{10}{9}\right) \\ &= +\frac{\cancel{3}^1}{\cancel{10}_2} \times \frac{\cancel{10}_2}{\cancel{9}_3} \\ &= +\frac{1}{3} \end{aligned}$$

(6)
$$\begin{aligned} \left(-\frac{2}{5}\right) \div \frac{6}{5} \div \left(-\frac{3}{4}\right) \\ &= \left(-\frac{2}{5}\right) \times \frac{5}{6} \times \left(-\frac{4}{3}\right) \\ &= +\frac{\cancel{2}^1}{\cancel{5}_5} \times \frac{\cancel{5}_5}{\cancel{6}_3} \times \frac{4}{3} \\ &= +\frac{4}{9} \end{aligned}$$