

1章(正の数, 負の数) 3節(乗法, 除法)

6 乗法と除法の混じった式の計算

年 組 番

名前

1. 次の計算をしなさい。

$$\begin{aligned} & (-12) \div \left(-\frac{3}{2}\right) \\ &= (-12) \times \left(-\frac{2}{3}\right) \\ &= + \left(12 \times \frac{2}{3}\right) = 8 \end{aligned}$$

$$\begin{aligned} & (+20) \div \left(-\frac{4}{5}\right) \\ &= (+20) \times \left(-\frac{5}{4}\right) \\ &= - \left(20 \times \frac{5}{4}\right) = -25 \end{aligned}$$

$$\begin{aligned} & 0 \div \left(-\frac{1}{4}\right) \\ &= 0 \end{aligned}$$

$$\begin{aligned} & (-4) \div (+6) \times (-3) \\ &= (-4) \times \left(+\frac{1}{6}\right) \times (-3) \\ &= + \left(4 \times \frac{1}{6} \times 3\right) = 2 \end{aligned}$$

$$\begin{aligned} & \frac{5}{4} \times \left(-\frac{6}{7}\right) \div \left(-\frac{3}{8}\right) \\ &= \frac{5}{4} \times \left(-\frac{6}{7}\right) \times \left(-\frac{8}{3}\right) \\ &= + \left(\frac{5}{4} \times \frac{6}{7} \times \frac{8}{3}\right) = \frac{20}{7} \end{aligned}$$

$$\begin{aligned} & (-2)^2 \div (-8) \times 10 \\ &= (+4) \times \left(-\frac{1}{8}\right) \times 10 \\ &= - \left(4 \times \frac{1}{8} \times 10\right) = -5 \end{aligned}$$

$$\begin{aligned} & \left(-\frac{2}{9}\right) \div \left(-\frac{5}{18}\right) \\ &= \left(-\frac{2}{9}\right) \times \left(-\frac{18}{5}\right) \\ &= + \left(\frac{2}{9} \times \frac{18}{5}\right) = \frac{4}{5} \end{aligned}$$

$$\begin{aligned} & \left(-\frac{4}{7}\right) \div 6 \\ &= \left(-\frac{4}{7}\right) \times \frac{1}{6} \\ &= - \left(\frac{4}{7} \times \frac{1}{6}\right) = -\frac{2}{21} \end{aligned}$$

$$\begin{aligned} & \left(-\frac{1}{4}\right) \div \left(-\frac{3}{2}\right) \\ &= \left(-\frac{1}{4}\right) \times \left(-\frac{2}{3}\right) \\ &= + \left(\frac{1}{4} \times \frac{2}{3}\right) = \frac{1}{6} \end{aligned}$$

$$\begin{aligned} & (-21) \div (-4) \div (+7) \\ &= (-21) \times \left(-\frac{1}{4}\right) \times \left(+\frac{1}{7}\right) \\ &= + \left(21 \times \frac{1}{4} \times \frac{1}{7}\right) = \frac{3}{4} \end{aligned}$$

$$\begin{aligned} & (+8) \div (-32) \times 6 \\ &= (+8) \times \left(-\frac{1}{32}\right) \times 6 \\ &= - \left(8 \times \frac{1}{32} \times 6\right) = -\frac{3}{2} \end{aligned}$$

$$\begin{aligned} & \frac{2}{5} \div (-4) \times \left(-\frac{5}{8}\right) \\ &= \frac{2}{5} \times \left(-\frac{1}{4}\right) \times \left(-\frac{5}{8}\right) \\ &= + \left(\frac{2}{5} \times \frac{1}{4} \times \frac{5}{8}\right) = \frac{1}{16} \end{aligned}$$