

正の数・負の数（乗法・除法④）

組 番 名前 _____

1 次の計算をなさい。

$$\begin{aligned} \textcircled{1} \quad & 36 \div (-2) \div (-6) \\ & = -18 \div (-6) \\ & = 3 \end{aligned}$$

$$\begin{aligned} \textcircled{2} \quad & 45 \div (-5) \div 6 \\ & = -9 \div 6 \\ & = -\frac{3}{2} \end{aligned}$$

2 次の計算をなさい。

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

$$\begin{aligned} \textcircled{2} \quad & \left(-\frac{2}{9}\right) \div 6 \times (-12) \\ & = \frac{2 \times 1 \times 12}{9 \times 6} \\ & = \frac{4}{9} \end{aligned}$$

$$\begin{aligned} \textcircled{3} \quad & (-2) \div (-8) \div \left(-\frac{1}{4}\right) \\ & = -\frac{2 \times 1 \times 4}{1 \times 8} \\ & = -1 \end{aligned}$$

$$\begin{aligned} \textcircled{4} \quad & \frac{3}{4} \times (-4) \div \left(-\frac{9}{10}\right) \\ & = \frac{3 \times 4 \times 10}{4 \times 1 \times 9} \\ & = \frac{10}{3} \end{aligned}$$

$$\begin{aligned} \textcircled{5} \quad & \left(-\frac{3}{7}\right) \div \left(-\frac{15}{7}\right) \times (-10) \\ & = -\frac{3 \times 7 \times 10}{7 \times 15} \\ & = -2 \end{aligned}$$

$$\begin{aligned} \textcircled{6} \quad & \left(-\frac{9}{4}\right) \div 12 \div \frac{3}{8} \\ & = -\frac{9 \times 1 \times 8}{4 \times 12 \times 3} \\ & = -\frac{1}{2} \end{aligned}$$

3 次の計算をなさい。

$$\begin{aligned} \textcircled{1} \quad & \left(-\frac{1}{2}\right) \times \left(-\frac{3}{4}\right) \div \frac{3}{8} \\ & = \frac{1 \times 3 \times 8}{2 \times 4 \times 3} \\ & = 1 \end{aligned}$$

$$\begin{aligned} \textcircled{2} \quad & \left(-\frac{5}{6}\right) \div \left(-\frac{4}{3}\right) \times \left(-\frac{2}{5}\right) \\ & = -\frac{5 \times 3 \times 2}{6 \times 4 \times 5} \\ & = -\frac{1}{4} \end{aligned}$$

$$\begin{aligned} \textcircled{3} \quad & \frac{7}{9} \div \left(-\frac{14}{15}\right) \div \frac{3}{2} \\ & = -\frac{7 \times 15 \times 2}{9 \times 14 \times 3} \\ & = -\frac{5}{9} \end{aligned}$$

4 右の表で、どの縦、横、斜めの4つの数を加えても、和が等しくなるようにします。表の空欄に数を入れなさい。

9	-4	-5	6
-2	3	4	1
2	-1	0	5
-3	8	7	-6