

正負の数 除法1 解答編

I.

- ① 2
② -3
③ -7
④ 5
⑤ -5
⑥ -1
⑦ 5
⑧ -7
⑨ -7
⑩ 1

II.

- ① 8
② -3
③ 5
④ -7
⑤ -3
⑥ -5
⑦ 0
⑧ 5
⑨ -4
⑩ -7

III.

- ① -7
② -6
③ $2\frac{9}{3}$
④ 5
⑤ -9
⑥ -1
⑦ 7
⑧ -7
⑨ -2
⑩ 5

IV.

- ① -4
② -5
③ 3
④ -0.06

$$\begin{aligned} \textcircled{5} \quad & \left(-\frac{2}{7}\right) \div (-4) \\ &= \left(-\frac{2}{7}\right) \times \left(-\frac{1}{4}\right) \\ &= \frac{2 \times 1}{7 \times 4} = \frac{1}{14} \end{aligned}$$

$$\begin{aligned} \textcircled{6} \quad & (-3) \div \frac{1}{3} \\ &= (-3) \times \frac{3}{1} \\ &= -9 \end{aligned}$$

$$\begin{aligned} \textcircled{7} \quad & 24 \div \left(-\frac{6}{5}\right) \\ &= 24 \times \left(-\frac{5}{6}\right) \\ &= -\frac{24 \times 5}{6} = -20 \end{aligned}$$

$$\begin{aligned} \textcircled{8} \quad & \left(-\frac{3}{2}\right) \div \frac{5}{7} \\ &= \left(-\frac{3}{2}\right) \times \frac{7}{5} \\ &= -\frac{3 \times 7}{2 \times 5} = -\frac{21}{10} \end{aligned}$$

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

$$\begin{aligned} \textcircled{10} \quad & \left(-\frac{28}{15}\right) \div \frac{7}{9} \\ &= \left(-\frac{28}{15}\right) \times \frac{9}{7} \\ &= -\frac{28 \times 9}{15 \times 7} = -\frac{12}{5} \end{aligned}$$

$$\begin{aligned} \textcircled{11} \quad & \left(-\frac{15}{13}\right) \div (-5) \\ &= \left(-\frac{15}{13}\right) \times \left(-\frac{1}{5}\right) \\ &= \frac{15 \times 1}{13 \times 5} = \frac{3}{13} \end{aligned}$$

$$\begin{aligned} \textcircled{12} \quad & \frac{8}{9} \div \left(-\frac{3}{2}\right) \\ &= \frac{8}{9} \times \left(-\frac{2}{3}\right) \\ &= -\frac{8 \times 2}{9 \times 3} = -\frac{16}{27} \end{aligned}$$

$$\begin{aligned} \textcircled{13} \quad & 20 \div \left(-\frac{5}{3}\right) \\ &= 20 \times \left(-\frac{3}{5}\right) \\ &= -\frac{20 \times 3}{5} = -12 \end{aligned}$$

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