

正の数・負の数④

1 解答 (1) +5 (2) +2 (3) -3 (4) -10 (5) 0 (6) -8
(7) -4 (8) +5

(1) $(+30) \div (+6) = + (30 \div 6)$

$= +5$

(2) $(-18) \div (-9) = + (18 \div 9)$

$= +2$

(3) $(+15) \div (-5) = - (15 \div 5)$

$= -3$

(4) $(-20) \div (+2) = - (20 \div 2)$

$= -10$

(5) $0 \div (-7) = 0$

(6) $(+8) \div (-1) = - (8 \div 1)$

$= -8$

(7) $(-48) \div (+12) = - (48 \div 12)$

$= -4$

(8) $(-85) \div (-17) = + (85 \div 17)$

$= +5$

2 解答 (1) -16 (2) -32 (3) $\frac{4}{5}$ (4) $-\frac{1}{24}$ (5) $-\frac{1}{50}$ (6) 35

(1) $32 \div (-4) \times 2 = 32 \times \left(-\frac{1}{4}\right) \times 2 = - (32 \times \frac{1}{4} \times 2) = -16$

(2) $(-16) \times (-8) \div (-4) = (-16) \times (-8) \times \left(-\frac{1}{4}\right) = - (16 \times 8 \times \frac{1}{4}) = -32$

(3) $6 \div \left(-\frac{3}{4}\right) \times \left(-\frac{1}{10}\right) = 6 \times \left(-\frac{4}{3}\right) \times \left(-\frac{1}{10}\right) = + \left(6 \times \frac{4}{3} \times \frac{1}{10}\right) = \frac{4}{5}$

(4) $\frac{3}{28} \div \frac{4}{7} \times \left(-\frac{2}{9}\right) = \frac{3}{28} \times \frac{7}{4} \times \left(-\frac{2}{9}\right) = - \left(\frac{3}{28} \times \frac{7}{4} \times \frac{2}{9}\right) = -\frac{1}{24}$

(5) $\left(-\frac{6}{5}\right) \div 8 \times \frac{2}{15} = \left(-\frac{6}{5}\right) \times \frac{1}{8} \times \frac{2}{15} = - \left(\frac{6}{5} \times \frac{1}{8} \times \frac{2}{15}\right) = -\frac{1}{50}$

(6) $\left(-\frac{5}{3}\right) \times (-18) \div 7 = \left(-\frac{5}{3}\right) \times (-18) \times \frac{1}{7} = + \left(\frac{5}{3} \times 18 \times \frac{1}{7}\right) = 35$

3 解答 (1) 6 (2) -3 (3) $\frac{9}{10}$

(1) $-9 \div (-12) \times 8 = \frac{9}{12} \times 8$

$= 6$

(2) $\frac{2}{3} \times \left(-\frac{9}{10}\right) \div \frac{1}{5} = \frac{2}{3} \times \left(-\frac{9}{10}\right) \times 5$

$= - \left(\frac{2}{3} \times \frac{9}{10} \times 5\right)$

$= -3$

(3) $-\frac{3}{4} \div \frac{15}{16} \div \left(-\frac{8}{9}\right) = -\frac{3}{4} \times \frac{16}{15} \times \left(-\frac{9}{8}\right)$

$= + \left(\frac{3}{4} \times \frac{16}{15} \times \frac{9}{8}\right)$

$= \frac{9}{10}$