

第12回 正の数・負の数の乗法 演習編2

解答

$$\textcircled{1} \quad \left(-\frac{8}{15}\right) \times \left(-\frac{3}{10}\right) = +\frac{8 \times 3}{15 \times 10} = \frac{4}{25}$$

$$\textcircled{2} \quad \left(-\frac{7}{18}\right) \times \left(+\frac{9}{14}\right) = -\frac{7 \times 9}{18 \times 14} = -\frac{1}{4}$$

$$\textcircled{3} \quad (+1) \times (-2) \times (-6) \times (+3) \times (-1) = -36$$

$$\textcircled{4} \quad (-6)^2 = +36$$

$$\textcircled{5} \quad \left(-\frac{2}{3}\right)^3 = -\frac{2 \times 2 \times 2}{3 \times 3 \times 3} = -\frac{8}{27}$$

$$\textcircled{6} \quad (+4) \times (-3)^2 = +36$$

$$\textcircled{7} \quad (-3^2) \times (-5)^2 = -9 \times 25 = -225$$

$$\textcircled{8} \quad (-1)^5 \times (-5)^3 = 5 \times 5 \times 5 = +125$$

$$\textcircled{9} \quad (-1^5) \times (-1)^8 \times (-5^2) = +5 \times 5 = 25$$

$$\textcircled{10} \quad (-3)^2 \times (+10)^2 \times (-10^3) \times (-1)^4 = -9 \times 100 \times 1000 = -900000$$