

## 【中1 数学 | 正負の数】

次の計算をなさい。  $\frac{2}{5}$ 

$$\begin{aligned}
 (1) \quad & -2^3 - 4 \div \frac{1}{2} \div (-0.4) \\
 & = -8 - 4 \times 2 \times \left(-\frac{5}{2}\right) \\
 & = -8 + 20 \\
 & = 12
 \end{aligned}$$

$$\begin{aligned}
 (2) \quad & \left(-\frac{1}{2}\right)^3 \times (-2^2) - \left(-\frac{1}{2}\right)^2 \div \frac{1}{2} \\
 & = -\frac{1}{8} \times (-4) - \frac{1}{4} \times 2 \\
 & = \frac{1}{2} - \frac{1}{2} \\
 & = 0
 \end{aligned}$$

$$\begin{aligned}
 (3) \quad & \frac{2}{3} \times (-6) + 0.25 \times (-2)^3 \\
 & = \frac{2}{3} \times (-6) + \frac{1}{4} \times (-8) \\
 & = -4 - 2 \\
 & = -6
 \end{aligned}$$

$$\begin{aligned}
 (4) \quad & \left\{ \frac{1}{2} \div 0.25 - \left(-\frac{1}{4}\right)^2 \right\} \times \frac{8}{31} \\
 & = \left( \frac{1}{2} \div \frac{1}{4} - \frac{1}{16} \right) \times \frac{8}{31} \\
 & = \left( \frac{1}{2} \times 4 - \frac{1}{16} \right) \times \frac{8}{31} \\
 & = \left( 2 - \frac{1}{16} \right) \times \frac{8}{31} \\
 & = \frac{31}{16} \times \frac{8}{31} = \frac{1}{2}
 \end{aligned}$$

$$\begin{aligned}
 (5) \quad & (-2)^2 \times 3 \div \left\{ \left( \frac{2}{3} - \frac{1}{2} \right) \div (-2^2) \right\} \\
 & = 4 \times 3 \div \left\{ \frac{4-3}{6} \times \left(-\frac{1}{4}\right) \right\} \\
 & = 12 \div \left(-\frac{1}{24}\right) \\
 & = 12 \times (-24) \\
 & = -288
 \end{aligned}$$

$$\begin{aligned}
 (6) \quad & \left\{ -2^2 - \frac{(-3)^3}{3} \times \left(-\frac{1}{3}\right)^2 \right\} - 4 \div \left(-\frac{2}{3}\right) \\
 & = (-4 + 27 \times \frac{1}{9}) - 4 \times \left(-\frac{3}{2}\right) \\
 & = -1 + 6 \\
 & = 5
 \end{aligned}$$

YouTubeチャンネルも見てね▶ 『ふじわら塾長』で検索!!

