

## 【中1 数学 | 正負の数】

次の計算をしなさい。

$$\begin{aligned}
 (1) \quad & \left(\frac{3}{4} - \frac{1}{3}\right) \times (-2)^3 \div \frac{5}{6} \\
 &= \frac{9-4}{12} \times (-8) \times \frac{6}{5} \\
 &= \frac{\cancel{5}^1}{\cancel{12}^{\cancel{2}} \cancel{2}^1} \times (-\cancel{8}^4) \times \frac{\cancel{6}^1}{\cancel{5}^1} \\
 &= -4
 \end{aligned}$$

$$\begin{aligned}
 (2) \quad & \left(-\frac{3}{2}\right)^3 \times \left(-\frac{5}{3}\right) \div (-2.5^2) \\
 &= -\frac{27}{8} \times \left(-\frac{5}{3}\right) \div \left(-\frac{25}{4}\right) \\
 &= -\frac{\cancel{27}^9}{\cancel{8}^2} \times \left(-\frac{\cancel{5}^1}{\cancel{3}^1}\right) \times \left(-\frac{\cancel{4}^1}{\cancel{25}^5}\right) \\
 &= -\frac{9}{10}
 \end{aligned}$$

$$\begin{aligned}
 (3) \quad & \left(\frac{3}{4} - 0.5^2\right) \div (-6 + 4.5) \\
 &= \left(\frac{3}{4} - \frac{1}{4}\right) \div (-1.5) \\
 &= \frac{\cancel{2}^1}{\cancel{4}^{\cancel{2}} \cancel{2}^1} \times \left(-\frac{\cancel{2}^1}{\cancel{3}^1}\right) \\
 &= -\frac{1}{3}
 \end{aligned}$$

$$\begin{aligned}
 (4) \quad & -2^2 \times (-0.2)^2 + \left(-\frac{2}{5}\right)^2 \\
 &= -4 \times \frac{1}{25} + \frac{4}{25} \\
 &= 0
 \end{aligned}$$

$$\begin{aligned}
 (5) \quad & \left(-\frac{1}{2}\right)^2 - \left(2 - 0.8 \div \frac{4}{3}\right) \\
 &= \frac{1}{4} - \left(2 - \frac{\cancel{4}^1}{5} \times \frac{3}{\cancel{4}^1}\right) \\
 &= \frac{1}{4} - \left(2 - \frac{3}{5}\right) \\
 &= \frac{1}{4} - \frac{7}{5} \\
 &= \frac{5-28}{20} \\
 &= -\frac{23}{20}
 \end{aligned}$$

$$\begin{aligned}
 (6) \quad & \frac{3}{4} - (-3)^2 \times \left(0.2 - \frac{1}{3}\right) \\
 &= \frac{3}{4} - 9 \times \left(\frac{1}{5} - \frac{1}{3}\right) \\
 &= \frac{3}{4} - 9 \times \frac{3-5}{15} \\
 &= \frac{3}{4} - \cancel{9}^3 \times \left(-\frac{2}{\cancel{15}^5}\right) \\
 &= \frac{3}{4} + \frac{6}{5} \\
 &= \frac{15+24}{20} \\
 &= \frac{39}{20}
 \end{aligned}$$

YouTubeチャンネルも見てね▶『ふじわら塾長』で検索!!

