

【中1 数学 | 正負の数】

次の計算を下さい。

$$\begin{aligned}
 (1) \quad & \left(\frac{1}{2} - \frac{1}{3}\right) \times \frac{2}{5} \\
 &= \frac{3-2}{6} \times \frac{2}{5} \\
 &= \frac{1}{6} \times \frac{2}{5} \\
 &= \frac{1}{15}
 \end{aligned}$$

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

$$\begin{aligned}
 (3) \quad & 0.6 - \frac{1}{2} \times \left(-\frac{4}{5}\right) \\
 &= \frac{3}{5} + \frac{2}{5} \\
 &= 1
 \end{aligned}$$

$$\begin{aligned}
 (4) \quad & 0.2 + (-2)^2 \times \frac{1}{8} \\
 &= \frac{1}{5} + 4 \times \frac{1}{8} \\
 &= \frac{1}{5} + \frac{1}{2} \\
 &= \frac{2+5}{10} = \frac{7}{10}
 \end{aligned}$$

$$\begin{aligned}
 (5) \quad & (-3)^2 \times \frac{1}{3} - \frac{7}{2} \\
 &= 9 \times \frac{1}{3} - \frac{7}{2} \\
 &= 3 - \frac{7}{2} \\
 &= \frac{6-7}{2} \\
 &= -\frac{1}{2}
 \end{aligned}$$

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

$$\begin{aligned}
 (7) \quad & \frac{5}{6} \div \left(-\frac{1}{3}\right)^2 - 0.5 \\
 &= \frac{5}{6} \div \frac{1}{9} - \frac{1}{2} \\
 &= \frac{5}{6} \times 9 - \frac{1}{2} \\
 &= \frac{14}{2} = 7
 \end{aligned}$$

$$\begin{aligned}
 (8) \quad & (-6)^2 \times \frac{3}{4} + (-3)^2 \\
 &= 36 \times \frac{3}{4} + 9 \\
 &= 27 + 9 \\
 &= 36
 \end{aligned}$$

$$\begin{aligned}
 (9) \quad & \left(-\frac{3}{8}\right) \div \left(-\frac{3}{2}\right)^3 - \frac{4}{3} \\
 &= -\frac{3}{8} \div \left(-\frac{27}{8}\right) - \frac{4}{3} \\
 &= -\frac{3}{8} \times \left(-\frac{8}{27}\right) - \frac{4}{3} \\
 &= \frac{1}{9} - \frac{4}{3} \\
 &= \frac{1-12}{9} = -\frac{11}{9}
 \end{aligned}$$

$$\begin{aligned}
 (10) \quad & \left(\frac{1}{3} - 0.5^2\right) \times \frac{3}{5} \\
 &= \left(\frac{1}{3} - \frac{1}{4}\right) \times \frac{3}{5} \\
 &= \frac{4-3}{12} \times \frac{3}{5} \\
 &= \frac{1}{20}
 \end{aligned}$$

$$\begin{aligned}
 (11) \quad & -1 + 3 \times (-0.5)^2 \\
 &= -1 + 3 \times \frac{1}{4} \\
 &= -1 + \frac{3}{4} \\
 &= -\frac{1}{4}
 \end{aligned}$$

$$\begin{aligned}
 (12) \quad & \left(\frac{1}{4} - 0.5\right)^2 \times (-2^3) \\
 &= \left(\frac{1}{4} - \frac{1}{2}\right)^2 \times (-8) \\
 &= \frac{1}{16} \times (-8) \\
 &= -\frac{1}{2}
 \end{aligned}$$

YouTubeチャンネルも見てね▶『ふじわら塾長』で検索!!

