

中1 数学	学習日	単元：正負の数	氏名	得点
	/	正負の数の計算 四則混合の計算⑤		/8

● 次の計算をなさい。

① $(-2)^2 \times \{(-5) + (-3)\} - (-4)^2$

② $\{(-5) - (-2)^2\} \times (-3) + 7$

③ $(-1)^5 + (-3)^2 \times (-2) - (-8)$

④ $\frac{3}{4} \times (-8) - \frac{5}{8} \div (-\frac{5}{12})$

⑤ $(-\frac{3}{4})^2 \times (-8) - \frac{2}{3} \times (-12)$

⑥ $(-6) + \{(-2)^3 - (-5)\} \times (-1)$

⑦ $\frac{1}{6} + (-\frac{1}{2})^3 \div \frac{3}{4}$

⑧ $(-4)^2 - \{(-1)^6 + (-3)^2\} \times (-2)$

● 次の計算をなさい。

$$\textcircled{1} \quad (-2)^2 \times \{(-5) + (-3)\} - (-4)^2 = 4 \times (-8) - 16 = -32 - 16 = -48$$

$$\textcircled{2} \quad \{(-5) - (-2)^2\} \times (-3) + 7 = (-5 - 4) \times (-3) + 7 = -9 \times (-3) + 7 = 34$$

$$\textcircled{3} \quad (-1)^5 + (-3)^2 \times (-2) - (-8) = -1 + 9 \times (-2) + 8 = -11$$

$$\textcircled{4} \quad \frac{3}{4} \times (-8) - \frac{5}{8} \div \left(-\frac{5}{12}\right) = (-6) + \frac{3}{2} = -\frac{9}{2}$$

$$\textcircled{5} \quad \left(-\frac{3}{4}\right)^2 \times (-8) - \frac{2}{3} \times (-12) = \frac{9}{16} \times (-8) + 8 = -\frac{9}{2} + 8 = \frac{7}{2}$$

$$\textcircled{6} \quad (-6) + \{(-2)^3 - (-5)\} \times (-1) = (-6) + (-8 + 5) \times (-1) = (-6) + 3 = -3$$

$$\textcircled{7} \quad \frac{1}{6} + \left(-\frac{1}{2}\right)^3 \div \frac{3}{4} = \frac{1}{6} + \left(-\frac{1}{8}\right) \times \frac{4}{3} = \frac{1}{6} - \frac{1}{6} = 0$$

$$\textcircled{8} \quad (-4)^2 - \{(-1)^6 + (-3)^2\} \times (-2) = 16 - (1 + 9) \times (-2) = 36$$