

2016-j1-p10-49-solution.tex

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1 年 _____ コース

名前 _____

1. 次の計算をなさい。

(1)

$$\begin{aligned} & -15 + (-10) \div (-2) \\ & = -15 + (+5) \\ & = -10 \end{aligned}$$

(2)

$$\begin{aligned} & (-6) \times (-3 + 10) \\ & = (-6) \times (+7) \\ & = -42 \end{aligned}$$

(3)

$$\begin{aligned} & 4 \times \{-15 \div (3 - 8)\} \\ & = 4 \times \{-15 \div (-5)\} \\ & = 4 \times (+3) \\ & = 12 \end{aligned}$$

(4)

$$\begin{aligned} & 7 - (-2)^3 \times (-3) - (-4) \\ & = 7 - (-8) \times (-3) - (-4) \\ & = 7 - (+24) - (-4) \\ & \text{【} = 7 + (-24) + (+4) \text{】} \\ & = 7 - 24 + 4 \\ & = -13 \end{aligned}$$

(5)

$$\begin{aligned} & \left(-\frac{8}{9}\right) \times \frac{3}{4} \div \left(-\frac{5}{6}\right) \\ & = \left(-\frac{8}{9}\right) \times \frac{3}{4} \times \left(-\frac{6}{5}\right) \\ & = + \left(\frac{8}{9} \times \frac{3}{4} \times \frac{6}{5}\right) \\ & = + \left(\frac{8 \times 3 \times 6}{9 \times 4 \times 5}\right) \\ & = \frac{4}{5} \end{aligned}$$

(6)

$$\begin{aligned} & \frac{1}{6} - \left(-\frac{1}{4}\right)^2 \div \frac{5}{8} \\ & = \frac{1}{6} - \left(+\frac{1}{16}\right) \div \frac{5}{8} \\ & = \frac{1}{6} - \left(+\frac{1}{16}\right) \times \frac{8}{5} \\ & = \frac{1}{6} - \left(+\frac{1 \times 8}{16 \times 5}\right) \\ & = \frac{1}{6} - \left(+\frac{1}{10}\right) \\ & = \frac{5}{30} - \left(+\frac{3}{30}\right) \\ & \text{【} = \frac{5}{30} + \left(-\frac{3}{30}\right) \text{】} \\ & = \frac{2}{30} \\ & = \frac{1}{15} \end{aligned}$$