

【中2数学 | 式の計算】

1、次の計算をなさい。

$$\begin{aligned}
 (1) \quad \frac{2x+1}{3} + \frac{-x+5}{4} &= \frac{4(2x+1)}{12} + \frac{3(-x+5)}{12} \\
 &= \frac{8x+4}{12} + \frac{-3x+15}{12} \\
 &= \frac{5x+19}{12}
 \end{aligned}$$

$$\begin{aligned}
 (2) \quad \frac{5a-9b}{6} - \frac{7a-b}{8} &= \frac{4(5a-9b)}{24} - \frac{3(7a-b)}{24} \\
 &= \frac{-a-33b}{24}
 \end{aligned}$$

$$\begin{aligned}
 (3) \quad \frac{8m+11n}{21} + \frac{2m-13n}{15} &= \frac{5(8m+11n)}{105} + \frac{7(2m-13n)}{105} \\
 &= \frac{40m+55n}{105} + \frac{14m-91n}{105} \\
 &= \frac{54m-36n}{105} \\
 &= \frac{18m-12n}{35}
 \end{aligned}$$

$$\begin{aligned}
 (4) \quad \frac{5x+13y}{21} - \frac{x-3y}{14} &= \frac{2(5x+13y)}{42} - \frac{3(x-3y)}{42} \\
 &= \frac{10x+26y}{42} - \frac{3x-9y}{42} \\
 &= \frac{7x+35y}{42} \\
 &= \frac{x+5y}{6}
 \end{aligned}$$

ポイント

分母の最小公倍数で通分する!