

◇◇ <文字式 分数の形の加法・減法> No. 1 ◇◇

$$(1) \frac{x+4}{2} + \frac{2x-3}{4} = \frac{2(x+4)}{4} + \frac{2x-3}{4} = \frac{2(x+4)+2x-3}{4}$$

$$= \frac{2x+8+2x-3}{4} = \frac{2x+2x+8-3}{4} = \frac{4x+5}{4} \quad (= x + \frac{5}{4}) \quad \leftarrow \text{答え青にしました。}$$

$$(2) \frac{4y+5}{2} - \frac{2y-3}{3} = \frac{3(4y+5)}{6} - \frac{2(2y-3)}{6} \quad \diamond \text{つまり「通分」するわけだね(^▽^)}$$

$$= \frac{3(4y+5)-2(2y-3)}{6} = \frac{12y+15-4y+6}{6} = \frac{8y+21}{6} \quad (= \frac{4y}{3} + \frac{7}{2})$$

$$(3) \frac{a-9}{6} + \frac{5a-1}{10} = \frac{5(a-9)}{30} + \frac{3(5a-1)}{30} = \frac{5(a-9)+3(5a-1)}{30}$$

$$= \frac{5a-45+15a-3}{30} = \frac{20a-48}{30} = \frac{10a-24}{15} \quad (= \frac{2a}{3} - \frac{8}{5})$$

$$(4) \frac{6x+2}{9} - \frac{6x+4}{3} = \frac{6x+2}{9} - \frac{3(6x+4)}{9} = \frac{6x+2-3(6x+4)}{9}$$

$$= \frac{6x+2-18x-12}{9} = \frac{-12x-10}{9} \quad (= -\frac{12x+10}{9} \text{ または } -\frac{4x}{3} - \frac{10}{9} \text{ でも OK})$$

$$(5) \frac{2x+3}{2} - \frac{x-3}{4} = \frac{2(2x+3)}{4} - \frac{x-3}{4} = \frac{2(2x+3)-(x-3)}{4}$$

$$= \frac{4x+6-x+3}{4} = \frac{3x+9}{4} \quad \diamond \text{約分のしかたがよくわからない人は「分数の形の約分」プリントを見てみてね！}$$

$$(6) \frac{3y+1}{5} - \frac{2y-1}{3} = \frac{3(3y+1)}{15} - \frac{5(2y-1)}{15}$$

$$= \frac{3(3y+1)-5(2y-1)}{15} = \frac{9y+3-10y+5}{15} = \frac{-y+8}{15} \quad (= -\frac{y-8}{15})$$

$$(7) \frac{3a-4}{6} - \frac{a+2}{9} = \frac{3(3a-4)}{18} - \frac{2(a+2)}{18} = \frac{3(3a-4)-2(a+2)}{18}$$

$$= \frac{9a-12-2a-4}{18} = \frac{7a-16}{18} \quad (= \frac{7a}{18} - \frac{8}{9})$$

$$(8) \frac{1}{3}(6x+4) + \frac{1}{4}(x-1) = \frac{6x+4}{3} + \frac{x-1}{4} = \frac{4(6x+4)}{12} + \frac{3(x-1)}{12}$$

$$= \frac{4(6x+4)+3(x-1)}{12} = \frac{24x+16+3x-3}{12} = \frac{27x+13}{12} \quad (= \frac{9x}{4} + \frac{13}{12})$$

$$(9) \frac{1}{2}(2x-3) - \frac{1}{3}(5x-1) = \frac{2x-3}{2} - \frac{5x-1}{3} = \frac{3(2x-3)}{6} - \frac{2(5x-1)}{6}$$

$$= \frac{6x-9-10x+2}{6} = \frac{-4x-7}{6} \quad (= -\frac{4x+7}{6} \text{ または } -\frac{2x}{3} - \frac{7}{6} \text{ でも OK})$$

見るの大変だと思うけど、計算を間違えた人は ◇◇ ふたばプリント ◇◇ 途中の計算をよーく確認してみてね(° °)♪