第42回　1次式の混合計算　講義編2

解答

① $\dfrac{2x-1}{4}+\dfrac{3x+1}{2}$

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

$=\dfrac{2}{4}x-\dfrac{1}{4}+\dfrac{3}{2}x+\dfrac{1}{2}$

$=\dfrac{4}{2}x+\dfrac{1}{4}$　$=2x+\dfrac{1}{4}$

② $\dfrac{3x+6}{2}+\dfrac{2x-3}{3}$

$=\dfrac{1}{2}(3x+6)+\dfrac{1}{3}(2x-3)$

$=\dfrac{3}{2}x+3+\dfrac{2}{3}x-1$

$=\dfrac{9}{6}x+\dfrac{4}{6}x+3-1$　$=\dfrac{13}{6}x+2$

③ $-12\times\dfrac{3x+5}{4}$

$=-12\times\dfrac{1}{4}(3x+5)$　$=-3(3x+5)$

$=-9x-15$

④ $-6\left(\dfrac{4x-2}{3}-\dfrac{2+3x}{2}\right)$

$=-6\left\{\dfrac{1}{3}(4x-2)-\dfrac{1}{2}(2+3x)\right\}$

$=-6\times\dfrac{1}{3}(4x-2)-(-6)\times\dfrac{1}{2}(2+3x)$

$=-2(4x-2)+3(2+3x)$

$=-8x+4+6+9x$

$=x+10$