

夏休み自主学習プリント 14回目 (解答と解説)

【解答】 (1) $-4 < -2 < +1$ (2) 11 (3) -147 (4) -9 (5) $\frac{7}{3}$ (6) -12

(7) $15x$ (8) $11x + 12$ (9) $13x - 15$ (10) $\frac{a + b + 56}{3} \geq x$

(1) $-4 < -2 < +1$

(2) $(+4) - (-7) = (+4) + (+7) = +11$

(3) $68 - (+95) - 52 + (-68) = 68 - 95 - 52 - 68 = 68 - 68 - 95 - 52$
 $= -95 - 52 = -147$

(4) $(-9) \times (+1) = -(9 \times 1) = -9$

(5) $5 - (-3^2) \div \left(-\frac{3}{2}\right)^3 = 5 - (-9) \div \left(-\frac{27}{8}\right) = 5 - (-9) \times \left(-\frac{8}{27}\right)$
 $= 5 - \frac{8}{3} = \frac{15}{3} - \frac{8}{3} = \frac{7}{3}$

(6) $-4a = -4 \times 3 = -12$

(7) $-9x \div \left(-\frac{3}{5}\right) = -9x \times \left(-\frac{5}{3}\right)$
 $= -9 \times \left(-\frac{5}{3}\right) \times x$
 $= 15x$

(8) $5(x + 3) + 3(2x - 1) = 5x + 15 + 6x - 3 = 5x + 6x + 15 - 3 = 11x + 12$

(9) $3(7x + 3) - 4(2x + 6) = 21x + 9 - 8x - 24$
 $= 21x - 8x + 9 - 24$
 $= 13x - 15$

(10) A君, B君, C君の3人の体重の平均は $\frac{a + b + 56}{3}$ kg であるから

$$\frac{a + b + 56}{3} \geq x$$