

夏休み自主学習プリント 23回目 (解答と解説)

【解答】 (1) $a^3 \text{ cm}^3$ (2) 1 (3) -4 (4) 49 (5) 63 (6) $-\frac{3}{14}x$

(7) $-16m - 1$ (8) $-4y - 3$ (9) $11x + 3$ (10) $y \geq \frac{6}{5}x$

(1) $a \times a \times a = a^3 (\text{cm}^3)$

(2) $(-4) + (+5) = +(5-4)$
 $= +1$

(3) $-7 + 6 - 3 = -7 - 3 + 6$
 $= -10 + 6$
 $= -4$

(4) $-(-7^2) = -\{- (7 \times 7)\} = -(-49) = 49$

(5) $(-9) \times (-6) + (-72) \div (-8) = 54 + 9 = 63$

(6) $\frac{1}{2}x - \frac{5}{7}x = \left(\frac{1}{2} - \frac{5}{7}\right)x = \left(\frac{7}{14} - \frac{10}{14}\right)x = -\frac{3}{14}x$

(7) $(-9m - 5) + (4 - 7m) = -9m - 5 + 4 - 7m = -9m - 7m - 5 + 4 = -16m - 1$

(8) $(48y + 36) \div (-12) = (48y + 36) \times \left(-\frac{1}{12}\right) = 48y \times \left(-\frac{1}{12}\right) + 36 \times \left(-\frac{1}{12}\right) = -4y - 3$

(9) $3(x-1) + 2(4x+3) = 3x - 3 + 8x + 6$
 $= 3x + 8x - 3 + 6$
 $= 11x + 3$

(10) y 人は, x 人の 120% 以上であるから

$$y \geq x \times \frac{120}{100}$$

よって $y \geq \frac{6}{5}x$