

# 計算たしかめミックス (1)

名前

※ 解法は一例です。

■ (1) ~ (16) の計算をなさい。(17) ~ (20) は方程式を解きなさい。

$$(1) -7 + (-5) = -(7 + 5) \\ = -12$$

$$(2) (-6) - (+9) = (-6) + (-9) \\ = -15$$

$$(3) (2a + 6) + (3a - 2) = 2a + 6 + 3a - 2 \\ = (2 + 3)a + (6 - 2) \\ = 5a + 4$$

$$(4) (5x + 2) - (2x - 5) = 5x + 2 - 2x + 5 \\ = (5 - 2)x + (2 + 5) \\ = 3x + 7$$

$$(5) (-7) \times (-4) = +(7 \times 4) \\ = 28$$

$$(6) (-36) \div (+12) = -(36 \div 12) \\ = -3$$

$$(7) 5a \times (-2) = -10a$$

$$(8) -32x \div 4 = -8x$$

$$(9) (+8) + (-6) + (-1) = 8 - 6 - 1 \\ = 1$$

$$(10) 6 \div 15 \times (-20) = 6 \times \frac{1}{15} \times (-20) \\ = -\left(6 \times \frac{1}{15} \times 20\right) \\ = -8$$

$$(11) \frac{x-1}{2} \times 4 = \frac{(x-1) \times 4}{2} \\ = (x-1) \times 2 \\ = 2x - 2$$

$$(12) (12a - 6) \div 2 = \frac{12a - 6}{2} \\ = \frac{12a}{2} + \left(-\frac{6}{2}\right) \\ = 6a - 3$$

$$(13) 4 + 3^2 + (-5) = 4 + 9 + (-5) \\ = 13 - 5 \\ = 8$$

$$(14) 15 - (-21) \div \left(-\frac{3}{4}\right) = 15 - (-21) \times \left(-\frac{4}{3}\right) \\ = 15 - (+28) \\ = 15 - 28 \\ = -13$$

$$(15) \frac{1}{2}(4x + 2) + \frac{1}{3}(6x + 3) = 2x + 1 + 2x + 1 \\ = 4x + 2$$

$$(16) \frac{1}{4}(8a + 4) - \frac{1}{2}(2a - 6) = 2a + 1 - a + 3 \\ = a + 4$$

$$(17) 3x + 1 = -8 \\ 3x = -8 - 1 \\ 3x = -9 \\ x = -3$$

$$(18) 4(x + 3) = 3x + 7 \\ 4x + 12 = 3x + 7 \\ 4x - 3x = 7 - 12 \\ x = -5$$

$$(19) 0.3x - 0.5 = 1 \quad \text{両辺に 10 をかけて} \\ (0.3x - 0.5) \times 10 = 1 \times 10 \\ 3x - 5 = 10 \\ 3x = 15 \\ x = 5$$

$$(20) \frac{1}{2}x = \frac{1}{3}x + 2 \quad \text{両辺に 6 をかけて} \\ \frac{1}{2}x \times 6 = \left(\frac{1}{3}x + 2\right) \times 6 \\ 3x = 2x + 12 \\ 3x - 2x = 12 \\ x = 12$$