

【中1 数学 | 方程式】

【1】 次の方程式を解きなさい。

$$(1) \quad 5(x+8) - 3x = -2$$

$$5x + 40 - 3x = -2$$

$$2x = -42$$

$$\therefore x = -21$$

$$(6) \quad 3.5x - 0.7 = 2x + 2.3$$

$$35x - 7 = 20x + 23 \quad \swarrow \times 10$$

$$15x = 30$$

$$\therefore x = 2$$

$$(2) \quad 6(2x - 3) = 9(2x + 2)$$

$$12x - 18 = 18x + 18$$

$$-6x = 36$$

$$\therefore x = -6$$

$$(7) \quad 0.5x + 0.15 = 0.65$$

$$50x + 15 = 65 \quad \swarrow \times 100$$

$$50x = 50$$

$$\therefore x = 1$$

$$(3) \quad 10 - (4 - 5x) = 3x$$

$$10 - 4 + 5x = 3x$$

$$2x = -6$$

$$\therefore x = -3$$

$$(8) \quad \frac{2}{3}x + \frac{1}{6} = \frac{3}{2}$$

$$4x + 1 = 9 \quad \swarrow \times 6$$

$$4x = 8$$

$$\therefore x = 2$$

$$(4) \quad 7(x - 2) - 5(2x - 1) = 3$$

$$7x - 14 - 10x + 5 = 3$$

$$-3x = 12$$

$$\therefore x = -4$$

$$(9) \quad \frac{x}{50} + \frac{x}{30} = 4$$

$$3x + 5x = 600 \quad \swarrow \times 150$$

$$8x = 600$$

$$x = 75$$

$$(5) \quad 2.5x - 0.8 = 2.1x + 0.4$$

$$25x - 8 = 21x + 4 \quad \swarrow \times 10$$

$$4x = 12$$

$$\therefore x = 3$$

$$(10) \quad \frac{2x+1}{3} - \frac{x-1}{4} = 1$$

$$4(2x+1) - 3(x-1) = 12 \quad \swarrow \times 12$$

$$8x+4-3x+3=12$$

$$5x=5$$

$$\therefore x=1$$

YouTubeチャンネルも見てね▶ 『ふじわら塾長』で検索!!

