
一次方程式の解き方 (小数をふくむ)

NO.2

学習日 月 日

名前

/ 点

■ 次の方程式を解きなさい。

$$(1) \quad 0.4 (x - 3) = 0.8$$

$$(2) \quad 0.5 (x + 2) = 0.2x + 3.1$$

$$(3) \quad 0.25x + 0.5 = 0.75$$

$$(4) \quad 1.5x - 2 = 0.5x + 4$$

$$(5) \quad 0.06x - 0.1 = 0.02x + 0.06$$

$$(6) \quad 0.3x = 0.2(x + 4)$$

解答

$$\begin{aligned}(1) \quad & 0.4 (x - 3) = 0.8 \\ & 4 (x - 3) = 8 \\ & 4x - 12 = 8 \\ & 4x = 20 \\ & x = 5\end{aligned}$$

$$\begin{aligned}(2) \quad & 0.5 (x + 2) = 0.2x + 3.1 \\ & 5 (x + 2) = 2x + 31 \\ & 5x + 10 = 2x + 31 \\ & 5x - 2x = 31 - 10 \\ & 3x = 21 \\ & x = 7\end{aligned}$$

$$\begin{aligned}(3) \quad & 0.25x + 0.5 = 0.75 \\ & 25x + 50 = 75 \\ & 25x = 75 - 50 \\ & 25x = 25 \\ & x = 1\end{aligned}$$

$$\begin{aligned}(4) \quad & 1.5x - 2 = 0.5x + 4 \\ & 15x - 20 = 5x + 40 \\ & 15x - 5x = 40 + 20 \\ & 10x = 60 \\ & x = 6\end{aligned}$$

$$\begin{aligned}(5) \quad & 0.06x - 0.1 = 0.02x + 0.06 \\ & 6x - 10 = 2x + 6 \\ & 6x - 2x = 6 + 10 \\ & 4x = 16 \\ & x = 4\end{aligned}$$

$$\begin{aligned}(6) \quad & 0.3x = 0.2(x + 4) \\ & 3x = 2(x + 4) \\ & 3x = 2x + 8 \\ & 3x - 2x = 8 \\ & x = 8\end{aligned}$$