

小数の一次方程式

次の方程式を解きましょう。

$$\textcircled{1} \quad -0.2x + 0.5 = -0.5$$

$$\textcircled{2} \quad -0.2x - 0.7 = -0.5$$

$$\textcircled{3} \quad -0.7x - 0.9 = -3$$

$$\textcircled{4} \quad -0.8x - 0.3 = -4.3$$

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$$\begin{aligned}\textcircled{1} \quad & -0.2x + 0.5 = -0.5 \\ & (-0.2x + 0.5) \times 10 = -0.5 \times 10 \\ & -2x + 5 = -5 \\ & -2x = -5 - 5 \\ & -2x = -10 \\ & x = 5\end{aligned}$$

$$\begin{aligned}\textcircled{2} \quad & -0.2x - 0.7 = -0.5 \\ & (-0.2x - 0.7) \times 10 = -0.5 \times 10 \\ & -2x - 7 = -5 \\ & -2x = -5 + 7 \\ & -2x = 2 \\ & x = -1\end{aligned}$$

$$\begin{aligned}\textcircled{3} \quad & -0.7x - 0.9 = -3 \\ & (-0.7x - 0.9) \times 10 = -3 \times 10 \\ & -7x - 9 = -30 \\ & -7x = -30 + 9 \\ & -7x = -21 \\ & x = 3\end{aligned}$$

$$\begin{aligned}\textcircled{4} \quad & -0.8x - 0.3 = -4.3 \\ & (-0.8x - 0.3) \times 10 = -4.3 \times 10 \\ & -8x - 3 = -43 \\ & -8x = -43 + 3 \\ & -8x = -40 \\ & x = 5\end{aligned}$$