

第46回 等式 講義編2

解答

前回の復習

① aを4で割ると商がPで余りが2

$$\times a \div 4 = P \cdots 2$$

$$\textcircled{1} (a-2) \div 4 = P \quad \frac{a-2}{4} = P$$

$$\textcircled{2} a = 4 \times P + 2$$

前回の続き

② 時速 a km で t 時間歩いた道のりは d km  $\rightarrow a \times t = d \quad at = d$

③ 1個 a 円の品物を b 個買い 100 円払ったらおつりが c 円

$$\rightarrow 100 - a \times b = c \quad 100 - ab = c$$

今回の問題

$$\textcircled{4} x - 3 = 5 \quad \rightarrow \quad x - 3 + 3 = 5 + 3 \quad x = 8$$

$$\textcircled{5} x + 3 = 13 \quad \rightarrow \quad x + 3 - 3 = 13 - 3 \quad x = 10$$

$$\textcircled{6} \frac{1}{3}x = 2 \quad \rightarrow \quad \frac{1}{3} \times 3 \times x = 2 \times 3 \quad x = 6$$

$$\textcircled{7} 6x = 12 \quad \rightarrow \quad \frac{6}{6}x = \frac{12}{6} \quad x = 2$$

$$\textcircled{8} x : 6 = 4 : 3 \quad \rightarrow \quad 3x = 24 \quad x = 8$$

$$\textcircled{9} 2 : 3 = 6 : x \quad \rightarrow \quad 2x = 18 \quad x = 9$$

$$\textcircled{10} 2 : 3 = x : (x+5) \quad \rightarrow \quad 2(x+5) = 3x \quad 2x+10 = 3x \quad 2x+10-2x = 3x-2x \\ 10 = x \quad x = 10$$