

$$S = s + (h-1)d$$

④ $a_1 = 12 \quad a_{10} = 57$

Find $a_{25} = ?$

$$a_{10} = a_1 + 9 \cdot d$$

$$57 = 12 + 9d$$

$$9d = 57 - 12$$

$$9d = 45$$

$$(d = 5)$$

$$\begin{aligned} a_{25} &= a_1 + 24d \\ &= 12 + 24 \cdot 5 = 132 \end{aligned}$$

⑥ $a_5 = 20 \quad a_{15} = 60$
 $a_{10} = ?$

$$a_{15} = a_5 + 10d$$

$$60 = 20 + 10d$$

$$10d = 40$$

$$(d = 4)$$

$$\begin{aligned} a_{10} &= a_5 + 5d = 20 + 5 \cdot 4 \\ &= 20 + 20 = 40 \end{aligned}$$

$$\frac{20+60}{2} = 40 = a_{10} \quad \text{equal}$$

⑩ $h = 20$

$$\begin{aligned} a_1 &= 5 & d &= 0,5 \\ S &= \frac{2a_1 + (h-1) \cdot d}{2} \cdot h \end{aligned}$$

$$\begin{aligned} S &= \frac{2 \cdot 5 + 19 \cdot 0,5}{2} \cdot 20 = \frac{10 + 9,5}{2} \cdot 20 = \\ &= 19,5 \cdot 10 = 195 \text{ cm} \end{aligned}$$