

① $S_x^2 = S_v^2 + S_e^2 \rightarrow 16 = S_v^2 + 4 \rightarrow 16 - 4 = S_v^2 \rightarrow \boxed{S_v^2 = 12}$

$S_x^2 = 16$

$S_e = 2 \rightarrow S_e^2 = 2^2 = 4$

$S_v^2 = ?$

③

-1	0	+1
14	2	14

$1 = \frac{(N-1) \sum X + N \sum X - \sum X}{2(N-1)N} = 0$

$\sum X = (-1) \cdot 14 + 2 \cdot 0 + 14 \cdot 1 = 0$

④ $0 < 0.5 \rightarrow S_e$ elimina el ítem

⑤

$x = A - \frac{E}{k-1} = 5 - \frac{2}{3-1} = 5 - 1 = 4$

- $n = 10$
- $k = 3$
- $0 = 3$
- $A = 5$
- $E = 2$

4	—	10
x	—	20

$x = \frac{20 \cdot 10}{10} = 8$

⑥

TC	MT	WC	K	10
21	23	23	24	29

⑦

	1	1.5	2	2.5	3	4	5	6	7
f _i	75	75	150	75	75	120	30		
F	75	150	300	375	450	570	600		

$Mdn = L_i + \frac{1}{f_i} \left(\frac{n}{2} - F_i \right) = 2.5 + \frac{1}{150} (300 - 150) = 2.5 + 1 = 3.5$

$n/2 = \frac{600}{2} = 300$

$$9 \quad CA = Q_3 - Q_1 = 5.5 - 2.5 = 3$$

$$Q_3 = Li + \frac{1}{f_i} \left(\frac{3n}{4} - F_i \right) = 4.5 + \frac{1}{75} (450 - 375) = 4.5 + 1 = 5.5$$

$$\frac{3n}{4} = \frac{3 \cdot 600}{4} = \frac{1800}{4} = 450$$

$$Q_1 = Li + \frac{1}{f_i} \left(\frac{n}{4} - f_i \right) = 1.5 + \frac{1}{75} (150 - 75) = 1.5 + 1 = 2.5$$

$$n/4 = 600/4 = 150$$