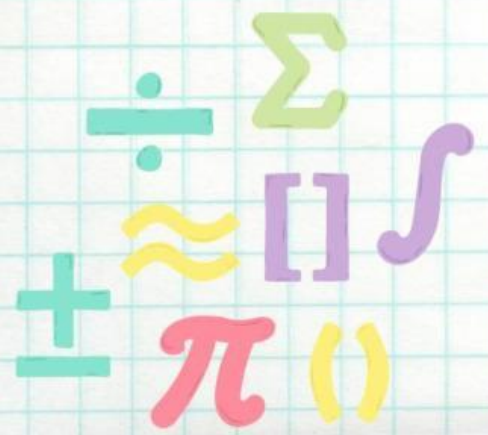




KUIS UKURAN LETAK DATA

Nama:





Data Tunggal

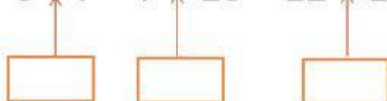
1. Tentukan Q1, Q2, dan Q3 dari data berikut!

6, 4, 7, 10, 13, 18, 7, 12

Penyelesaian:

Data terurut:

4 6 7 7 10 12 13 18



Maka,

$$Q_1 = \frac{1}{2}(\square + \square) = \square$$

$$Q_2 = \frac{1}{2}(\square + \square) = \square$$

$$Q_3 = \frac{1}{2}(\square + \square) = \square$$

2. Tentukan D9 dari data: 7, 5, 6, 5, 3, 6, 4, 8, 2, 6, 8, 7!

Penyelesaian:

Data terurut:

2 3 4 5 5 6 6 6 7 7 8 8

D_9

$$\text{Letak } D_9 = \frac{\square(\square+1)}{10} = \square (\notin B)$$

Maka,

Desil ke-9 antara $\square$ dan $\square$.

$$\begin{aligned} D_9 &= x_{\square} + (\square - \square)(x_{\square} - x_{\square}) \\ &= \square + (\square)(\square - \square) \\ &= \square \end{aligned}$$





Data Tunggal

3. Tentukan P_{60} dari data: 7, 5, 6, 5, 3, 6, 4, 8, 2, 6, 8, 7!

Penyelesaian:

Data terurut:

2 3 4 5 5 6 6 6 7 7 8 8

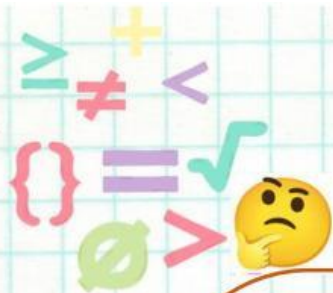
$$\text{Letak } P_{60} = \frac{\boxed{}(12+1)}{100} = \boxed{} (\notin B)$$

Maka,

Persentil ke-60 antara $\boxed{}$ dan $\boxed{}$

$$\begin{aligned} P_{60} &= x_{\boxed{}} + (\boxed{} - \boxed{})(x_{\boxed{}} - x_{\boxed{}}) \\ &= \boxed{} + (\boxed{})(\boxed{} - \boxed{}) \\ &= \boxed{} \end{aligned}$$





Data Kelompok

Tentukan nilai Q_1 , D_9 , dan P_{30} dari data berikut!

Berat Badan (Kg)	Frekuensi
40 – 49	5
50 – 59	14
60 – 69	16
70 – 79	12
80 – 89	3
Total	50

Penyelesaian:

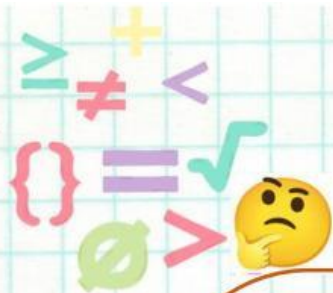
$$\text{Letak } Q_1 = \frac{1}{4} \cdot N = \frac{1}{4} \cdot \boxed{} = \boxed{}$$

Berat Badan (Kg)	f	f_{kk}
40 – 49	5	
50 – 59	14	
60 – 69	16	
70 – 79	12	
80 – 89	3	
Total	50	

$\leftarrow Q_1$

$$\begin{aligned} Q_1 &= T_b + \left(\frac{\frac{1}{4}N - f_{kk}}{f} \right) \cdot p \\ &= \boxed{} + \left(\frac{\boxed{} - \boxed{}}{\boxed{}} \right) \cdot \boxed{} \\ &= \boxed{} \end{aligned}$$





Data Kelompok

$$\text{Letak } D_9 = \frac{9}{10} \cdot N = \frac{9}{10} \cdot \square = \square$$

Berat Badan (Kg)	f	f_{kk}
40 – 49	5	
50 – 59	14	
60 – 69	16	
70 – 79	12	
80 – 89	3	
Total	50	

← D_9

$$\begin{aligned} D_9 &= T_b + \left(\frac{\frac{9}{10} N - f_{kk}}{f} \right) \cdot p \\ &= \square + \left(\frac{\square - \square}{\square} \right) \cdot \square \\ &= \square \end{aligned}$$

$$\text{Letak } P_{30} = \frac{30}{100} \cdot N = \frac{30}{100} \cdot \square = \square$$

Berat Badan (Kg)	f	f_{kk}
40 – 49	5	
50 – 59	14	
60 – 69	16	
70 – 79	12	
80 – 89	3	
Total	50	

← P_{30}

$$\begin{aligned} P_{30} &= T_b + \left(\frac{\frac{30}{100} N - f_{kk}}{f} \right) \cdot p \\ &= \square + \left(\frac{\square - \square}{\square} \right) \cdot \square \\ &= \square \end{aligned}$$

