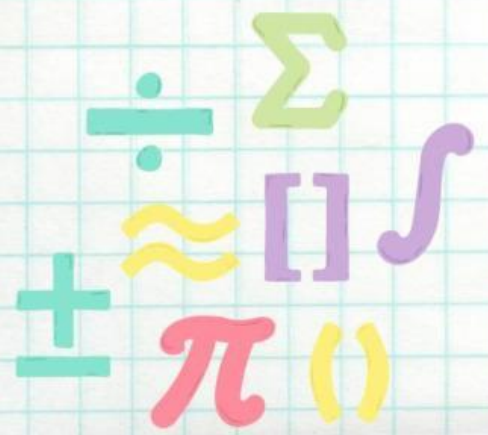




# KUIS UKURAN LETAK DATA

Nama:







## Data Tunggal

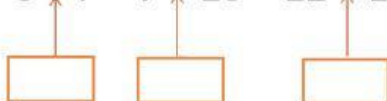
1. Tentukan Q1, Q2, dan Q3 dari data berikut!

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

$$\text{Letak } P_{60} = \frac{\boxed{\phantom{00}}(12+1)}{100} = \boxed{\phantom{00}} (\notin B)$$

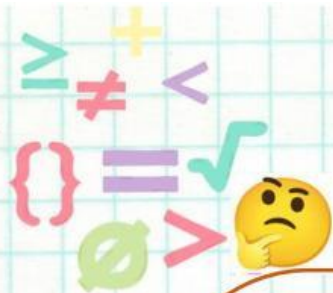
Maka,

Persentil ke-60 antara  $\boxed{\phantom{00}}$  dan  $\boxed{\phantom{00}}$

$$\begin{aligned} P_{60} &= x_{\boxed{\phantom{00}}} + (\boxed{\phantom{00}} - \boxed{\phantom{00}})(x_{\boxed{\phantom{00}}} - x_{\boxed{\phantom{00}}}) \\ &= \boxed{\phantom{00}} + (\boxed{\phantom{00}})(\boxed{\phantom{00}} - \boxed{\phantom{00}}) \\ &= \boxed{\phantom{00}} \end{aligned}$$







## Data Kelompok

Tentukan nilai Q<sub>1</sub>, D<sub>9</sub>, dan P<sub>30</sub> 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:

$$\text{Letak } Q_1 = \frac{1}{4} \cdot N = \frac{1}{4} \cdot \boxed{\phantom{00}} = \boxed{\phantom{00}}$$

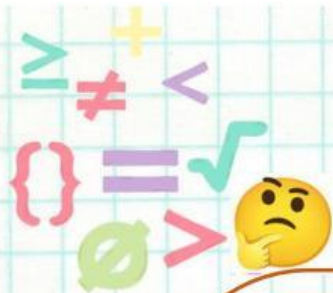
| Berat Badan (Kg) | $f$ | $f_{kk}$             |
|------------------|-----|----------------------|
| 40 – 49          | 5   | <input type="text"/> |
| 50 – 59          | 14  | <input type="text"/> |
| 60 – 69          | 16  | <input type="text"/> |
| 70 – 79          | 12  | <input type="text"/> |
| 80 – 89          | 3   | <input type="text"/> |
| Total            | 50  |                      |

← Q<sub>1</sub>

$$\begin{aligned} Q_1 &= T_b + \left( \frac{\frac{1}{4}N - f_{kk}}{f} \right) \cdot p \\ &= \boxed{\phantom{00}} + \left( \frac{\boxed{\phantom{00}} - \boxed{\phantom{00}}}{\boxed{\phantom{00}}} \right) \cdot \boxed{\phantom{00}} \\ &= \boxed{\phantom{00}} \end{aligned}$$







## 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   | <input type="text"/> |
| 50 – 59          | 14  | <input type="text"/> |
| 60 – 69          | 16  | <input type="text"/> |
| 70 – 79          | 12  | <input type="text"/> |
| 80 – 89          | 3   | <input type="text"/> |
| 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   | <input type="text"/> |
| 50 – 59          | 14  | <input type="text"/> |
| 60 – 69          | 16  | <input type="text"/> |
| 70 – 79          | 12  | <input type="text"/> |
| 80 – 89          | 3   | <input type="text"/> |
| Total            | 50  |                      |

←  $P_{30}$

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

