

Nama :

Kelas :

Latihan Soal Mean

Selesaikan soal berikut !

1. Rata-rata Hitung / Mean ($\bar{x}$)

($\bar{x}$) = dibaca x bar

❖ Data Tunggal

$$\bar{x} = \frac{\sum_{i=1}^n x_i}{n} \text{ atau } \bar{x} = \frac{x_1 + x_2 + x_3 + \dots + x_n}{n}$$

Contoh:

Hitunglah mean dari data : 4,5,6,3,8,7,9,5,6,8

Jawab:

$$\bar{x} = \frac{4 + 5 + \dots + \dots + \dots + \dots + \dots + \dots + \dots + \dots}{10}$$

$$\bar{x} = \frac{\dots}{10}$$

$$\bar{x} = \dots$$

❖ Data Berbobot

$$\bar{x} = \frac{\sum_{i=1}^n f_i \cdot x_i}{\sum_{i=1}^n f_i} \text{ atau } \bar{x} = \frac{f_1 \cdot x_1 + f_2 \cdot x_2 + f_3 \cdot x_3 + \dots + f_n \cdot x_n}{f_1 + f_2 + f_3 + \dots + f_n}$$

Hitunglah mean data berikut!

x	f	f.x
4	2	
5	4	
6	6	
7	5	
8	3	

1

2

$$\bar{x} = \frac{\text{2}}{\text{1}} = \dots$$

❖ Data Kelompok

$$\bar{x} = \frac{\sum_{i=1}^n f_i \cdot x_{t_i}}{\sum_{i=1}^n f_i} \text{ atau } \bar{x} = \frac{f_1 \cdot x_{t_1} + f_2 \cdot x_{t_2} + f_3 \cdot x_{t_3} + \dots + f_n \cdot x_{t_n}}{f_1 + f_2 + f_3 + \dots + f_n}$$

Contoh:

Hitunglah Mean dari data berikut!

x	f	xt	f. xt
40 - 49	4		
	5		
	10		
	12		
	6		
	3		
	...		...

1

2

$$\bar{x} = \frac{\dots\dots\dots 2}{\dots\dots\dots 1} = \dots\dots\dots$$