

$$\frac{32}{160}$$

No.:

Date:

1. Dik : Jumlah Siswa yang mengikuti kelas
- A. Voley (V) = 20 % (32 orang)
 - B. Badminton (B) = 22 %
 - C. Atletik (A) = 30 %
 - D. Futsal (F) = 18 %

Dit : Jumlah Siswa di sekolah ? ... (R)

$$\begin{aligned} \text{Pen} = R &= 100\% - (V + B + A + F) \\ &= 100\% - (20 + 22 + 30 + 18)\% \\ &= 100\% - 90\% \\ &= (100 - 90)\% \\ &= 10\% \end{aligned}$$

$$R = 10\%$$

$$\begin{aligned} \text{Jumlah Siswa} &= 20/100 \times x = 32 \text{ orang} \\ &= 2/10 \times x = 32 \\ &= 1/5 \times x = 32 \\ &= x = 32 \times 5 \\ &= x = 160 \text{ orang} \end{aligned}$$

$$\text{Maka } R = \frac{10}{100} \times 160 = 16 \text{ orang}$$

Jumlah Siswa yang mengikuti Renang Adalah 16 orang

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2. Dik: karyawan = 12 orang $\rightarrow k$
 Rata² gaji: 3.800.000 / bulan $\rightarrow G$
 Gaji Perempuan: 3.500.000 / bulan $\rightarrow G_p$
 Gaji Pegawai: 3.620.000 / Bulan $\rightarrow G_p$

Dit: Banyaknya karyawan Perempuan = ... orang

$$\text{Pen: } G_p = \frac{(G_w \cdot x) + (G \cdot k)}{k + x}$$

$$= 3.620.000 = \frac{(3.500.000 \cdot x) + (3.800.000 \cdot 12)}{12 + x}$$

$$= 36.2 = \frac{(35x) + (38 \cdot 12)}{12 + x}$$

$$= 36.2 = \frac{(35x) + 456}{12 + x}$$

$$= 36.2(12 + x) = 35x + 456$$

$$= 434,4 + 36,2x = 35x + 456$$

$$= 36,2x - 35x = 456 - 434,4$$

$$= 21,6$$

$$= x = 18 \text{ orang}$$

Banyak Pegawai Perempuan = 18 orang

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$$\begin{array}{r} 30 \\ 12 \\ \hline 178 \\ 50 \\ \hline 456 \end{array}$$

S.	Interval	Fekueni	
<input type="checkbox"/>	50 - 54	12	Fh = 12
<input type="checkbox"/>	55 - 59	16	Fh = 28
<input type="checkbox"/>	60 - 64	26	Fh = 54
<input type="checkbox"/>	65 - 69	22	Fh = 76
<input type="checkbox"/>	70 - 74	15	Fh = 91
<input type="checkbox"/>	75 - 79	9	Fh = 100
<input type="checkbox"/>	Jumlah	100	

$$P = 59 - 50 = 9$$

$$a. Q_1 = 1/n - 1/n \times 100 - 25 = (55 - 59)$$

$$T_b = 55 - 0.5 = 54.5$$

$$F_h = 12$$

$$F_a = 16$$

$$= T_b + \frac{1/n - F_h}{F_a} P$$

$$= 54.5 + \frac{25 - 12}{16} \cdot 9$$

$$Q_1 = 54.5 + \frac{13}{16} \cdot 9$$

$$Q_1 = 54.5 + 4.6 = 59.1$$

$$b. Q_2 = 2/n = 2/n \times 100 = 1/2 \times 100 = 50 \quad (60 - 64)$$

$$T_b = 60 - 0.5 = 59.5$$

$$F_h = 28$$

$$F = 26$$

$$= T_b + \frac{3/n - F_h}{F} P$$

$$= 59.5 + \frac{50 - 28}{26} \cdot 9$$

$$Q_2 = 59.5 + 4.2 = 63.7$$

No:

$$G_3 + \frac{3}{2}u = \frac{3}{2} \times 100 = 150 = 75 \quad (55 - 69)$$

16. 6000

ph: 59

F: 22

$$T_b = T_b + \frac{\frac{3}{2}u - Fh}{P}$$

$$= 60,5 + \frac{75 - 59}{26}$$

$$= 61,6 + \frac{16}{26} = 60,5 + 4,28 = \dots$$

$$Q_3 = 61,28$$

4.

Nilai

Frekuensi

53-60

4

61-68

12

69-76

13

77-84

17

85-92

9

93-100

5

Jumlah

60

$$\text{Interval} = 77 - 84$$

$$\text{Mean} : T_b = 77 + 0,5 = 76,5$$

$$d_1 = 17 - 13 = 4$$

$$d_2 = 17 - 9 = 8$$

$$P = 8$$

$$= T_b + \frac{d_1}{d_1 + d_2} \cdot P$$

$$= 76,5 + \frac{4}{12} \cdot 9$$

$$= 76,5 + \frac{1}{3} \cdot 9$$

$$= 76,5 + 3,0 = \underline{\underline{79,5}}$$

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r	Data	Frekuensi	
	25-29	5	Median: $\frac{1}{2}n = \frac{1}{2} \cdot 50 = 25$ (40-44) $f_b = 40 - 0.5 = 39.5$ $f_k = 18$ $f = 15$ $p = 5$
	30-34	2	
	35-39	10	
	40-44	15	
	45-49	8	
	50-54	4	$= f_b + \frac{\frac{1}{2}n - f_k}{f} p$
	Jumlah	50	

$$= 39.5 + \frac{25 - 18}{15} \cdot 5$$

$$= 39.5 + \frac{7}{15} \cdot 5$$

$$= 39.5 + \frac{7}{3}$$

$$= 39.5 + 2.3$$

$$\text{Median} = 41.8$$

