NOMBRE DEL ALUMNO:

David Alejandro Silva García

NOMBRE DEL CATEDRATICO:

Jorge Enrique Aguilar Albores

GRADO: **GRUPO:**

1°   **"A"**

ASIGNATURA:

**Estadística descriptiva**

CATRIMESTRE:

3er

COMITAN DE DOMINGUEZ, CHIAPAS, MEXICO A 23/05/2020

Los 40 alumnos de una Clase han obtenido las siguientes puntuaciones sobre 50, en un examen de Física.

32, 35, 28, 38, 44, 48, 45, 32, 3, 15, 24, 28, 33, 35, 38, 42, 23
38, 36, 34, 29, 25, 17, 7, 34, 36, 39, 44, 31, 26, 20, 11, 13, 22
27, 47, 39, 37, 34, 13.

Dato	Fi	fa	Mc	Fi-Mc	Fr	F%
0-10	2	2	5	40	0.05	5%
10-20	7	9	15	105	0.175	17.5%
20-30	9	18	25	225	0.225	22.5%
30-40	17	35	35	595	0.425	42.5%
40-50	5	40	45	225	0.425	42.5%
n	40					

Promedio x-

$$\bar{x} = \frac{\sum MC}{n} = fa = \frac{70 + 105 + 225 + 595}{40}$$

$$= \frac{1160}{40} = 29$$
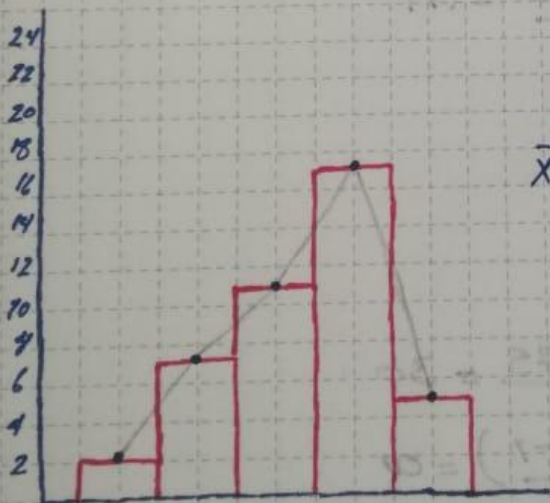
Modo:

$$Mo = 30 + \left(\frac{5}{9+5}\right) 40 = 3357$$

Mediana: (N)

$$Li + \left(\frac{\frac{N}{c} - \left(\frac{fac - 1}{fa}\right)}{}\right) = 1$$

$$M = 30 + \left(\frac{20 - 18}{17}\right) = 10 = 31,17$$

$$P_{70} = \frac{n - 70}{100} = \frac{40 - 70}{100} = 20$$

$$Li + \left(\frac{\frac{x \cdot n}{100} - \left(fac - 1\right)}{F1}\right) = (1)$$

$$30 + \left(\frac{28 - 48}{17}\right) = 10$$

$$P_{70} = 35,88$$

tercer cuartil.

$$O_3 = \frac{N - 75}{100} = \frac{40 - 75}{100} = 30$$

$$O_3 = Li + \left(\frac{a3 - \left(fac - 1\right)}{F1}\right) = 01$$

$$30 + \left(\frac{30 - 48}{17}\right) = 10$$

$$Q = 37.05.$$