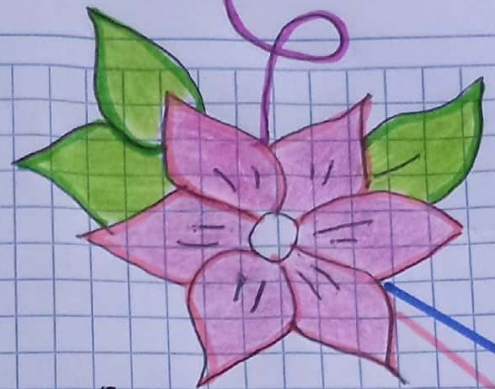


3 actividad.



Complete la siguiente tabla y calcule los cuartiles 1, 2 y 3 gráfíquelos y establezca la desviación intercuartil de la siguiente tabla.

Puntajes obtenidos por 43 alumnos en un examen de ciencias naturales.

K	X	Lri	xs	f	fa
1	54 - 58	53.5	56	4	4
2	59 - 63	58.5	61	6	10
3	64 - 68	63.5	66	12	22
4	69 - 73	68.5	71	13	35
5	74 - 78	73.5	76	3	38
6	79 - 83	78.5	81	4	42
7	84 - 88	83.5	86	1	43

$$Q1 = Lri + \left(\frac{N/4 - faa}{f} \right) i$$

$$\frac{43}{4} = 10.75$$

$$Q1 = 63.5 + \left(\frac{10.75 - 10}{12} \right) 5$$

$$Q1 = 63.5 + \left(\frac{0.75}{12} \right) 5$$

$$Q1 = 63.5 + (0.06) 5$$

Wendy Velásquez

$$Q1 = 63.5 + 0.3$$

R11 **63.8**

"4to admon"



$$Q_2 = L_{ri} + \left(\frac{\frac{2N}{4} - f_{aa}}{f} \right) i$$

$$\frac{2 \times 43}{4} = 21.5$$

$$Q_2 = 63.5 + \left(\frac{21.5 - 10}{12} \right) 5$$

$$Q_2 = 63.5 + \left(\frac{11.5}{12} \right) 5$$

Wandy Velásquez

$$Q_2 = 63.5 + (0.96) 5$$

Soto

$$Q_2 = 63.5 + 4.8$$

R// **68.3**

"4to admón"

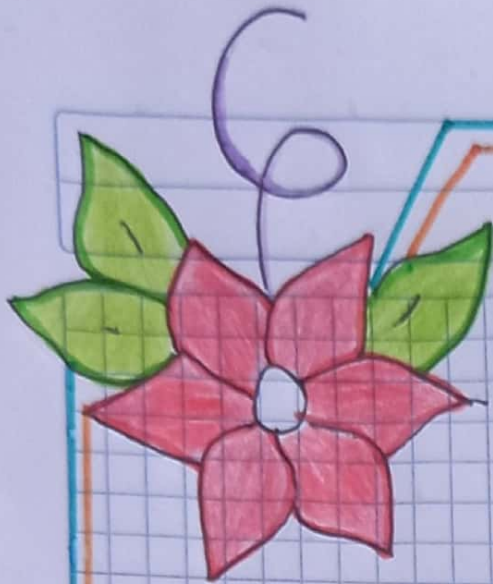
$$Q_3 = L_{ri} + \left(\frac{\frac{3N}{4} - f_{aa}}{f} \right) i$$

$$\frac{3 \times 43}{4} = 32.25$$

$$Q_3 = 68.5 + \left(\frac{32.25 - 22}{13} \right) 5$$

$$Q_3 = 68.5 + \left(\frac{10.25}{13} \right) 5$$

$$Q_3 = 68.5 + (0.79) 5$$



$$Q3 = 68.5 + 3.95$$

$$R11 \text{ } 72.45$$

Wendy Velásquez Soto

"4to admón"

Puntajes obtenidos en un examen de ciencias naturales

Desviación Intercuartil

$$QD = \frac{Q3 - Q1}{2}$$

$$QD = \frac{72.45 - 63.8}{2}$$

$$R11 \text{ } 4.33$$

