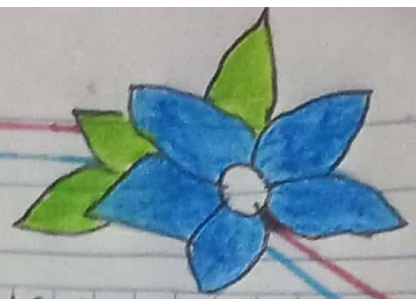


Actividad 6



Complete la siguiente tabla y calcule los Percentiles: 15 70 y 95

Puntajes obtenidos por 25 alumnos en un examen de Estudios Sociales I de Primero Básico.

X	Li	F	Fa
49-55	48.5	2	2
56-64	55.5	3	5
70-76	69.5	9	14
77-83	76.5	9	23
84-90	83.5	2	25

$$P_{15} = Li + \left(\frac{\frac{N \times 15}{100} - Fa_{i-1}}{f} \right) i$$

$$\frac{25 \times 15}{100} = 3.75$$

$$P_{15} = 55.5 + \left(\frac{3.75 - 2}{3} \right) 7$$

$$P_{15} = 55.5 + \left(\frac{1.75}{3} \right) 7$$

$$P_{15} = 55.5 + (0.58) 7$$

$$P_{15} = 55.5 + 4.06$$

$$P_{15} = 59.56$$

$$P_{70} = Li + \left(\frac{\frac{N \times 70}{100} - Fa_{i-1}}{f} \right) i$$

$$\frac{25 \times 70}{100} = 17.5$$

$$P_{70} = 76.5 + \left(\frac{17.5 - 14}{9} \right) 7$$

$$P_{70} = 76.5 + \left(\frac{3.5}{9} \right) 7$$



Wendy Velásquez

Soto

"4to admón"

$$P_{70} = 76.5 + (0.39)7$$

$$P_{70} = 76.5 + 2.73$$

$$R_{II} \quad 79.23$$

$$P_{95} = L_{ri} + \left(\frac{\frac{N \times X}{100} - f_{aa}}{f} \right) i$$

$$\frac{25 \times 95}{100} = 23.75$$

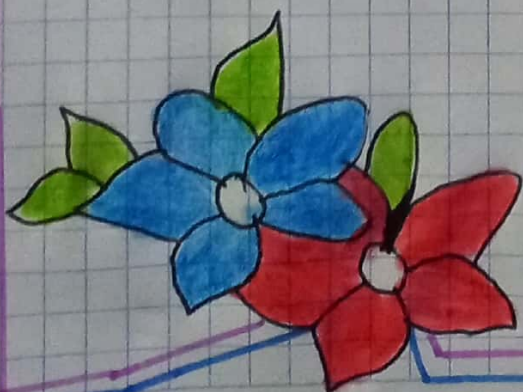
$$P_{95} = 83.5 + \left(\frac{23.75 - 23}{2} \right) 7$$

$$P_{95} = 83.5 + \left(\frac{0.75}{2} \right) 7$$

$$P_{95} = 83.5 + (0.38)7$$

$$P_{95} \quad 83.5 + 2.66$$

$$R_{II} \quad 86.16$$



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