



INSTITUTO PRIVADO IPRAM

ROSSY MARYORITH LÓPEZ

ACABAL

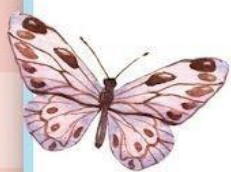
5TO ADMÓN

PROF: JOSUÉ

ESTADÍSTICA

TAREA: #1

2021



Rossy Maryorith López Acaball

Tarea #1

5to Admón

Examen de Matemáticas de Sexto primaria:

X	F	FA	LRI
48-56	5	5	47.5
57-65	8	13	56.5
66-74	7	20	65.5
75-83	9	29	74.5
84-92	6	35	83.5

① Cuartiles

$$Q1 = LRI + \left(\frac{\frac{N}{4} - f_{aa}}{f} \right) i$$

$$Q1 = 56.5 + \left(\frac{8.75 - 5}{8} \right) 9$$

$$Q1 = 56.5 + \left(\frac{3.75}{8} \right) 9$$

$$Q1 = 56.5 + (0.47) 9$$

$$Q1 = 56.5 + 4.23$$

$$Q1 = 60.73$$

$$Q3 = LRI + \left(\frac{26.25 - 20}{9} \right) 9$$

$$Q3 = 74.5 + \left(\frac{6.25}{9} \right) 9$$

$$Q3 = 74.5 + (0.69) 9$$

$$Q3 = 74.5 + 6.21$$

$$Q3 = 80.71$$

② Deciles

$$Dx = LRI + \left(\frac{Nx - f_{aa}}{f} \right) i$$

$$Dx = LRI + \left(\frac{3.5 - 0}{5} \right) 9$$

$$Dx = 47.5 + \left(\frac{3.5}{5} \right) 9$$

$$Dx = 47.5 + (0.7) 9$$

$$Dx = 47.5 + 6.3$$

$$D1 = 53.8$$

Rossy López Acabal

$$D5 = 65.5 \left(\frac{17.5 - 13}{7} \right) 9$$

$$D5 = 65.5 \left(\frac{4.5}{7} \right) 9$$

$$D5 = 65.5 (0.64) 9$$

$$D5 = 65.5 + 5.76$$

$$D5 = 71.26$$

③ Percentiles

$$P70 = LRI \left(\frac{24.5 - 20}{9} \right) 9$$

$$P70 = 74.5 \left(\frac{4.5}{9} \right) 9$$

$$P70 = 74.5 (0.5) 9$$

$$P70 = 74.5 + 4.5$$

$$P70 = 79$$

$$P85 = LRI \left(\frac{29.75 - 29}{6} \right) 9$$

$$P85 = 83.5 \left(\frac{0.75}{6} \right) 9$$

$$P85 = 83.5 (0.13) 9$$

$$P85 = 83.5 + 1.17$$

$$P85 = 84.67$$