

Actividad # N.5

Complete las siguientes tabla y calcule los deciles
 2, 3, 4, 7, y 8
 Puntajes obtenidos por 43 alumnos en un examen de Ciencias Naturales.

Intervalo	Lv?	F	Fa.
54 - 58	53.5	4	4
59 - 63	58.5	6	10
64 - 68	63.5	12	22
69 - 73	68.5	13	35
74 - 78	73.5	3	38
79 - 83	78.5	4	42
84 - 88	83.5	1	43

$$D_2 = Lv? + \left(\frac{N_2 - F_{aa}}{\frac{10}{F}} \right)$$

$$\frac{43 \times 2}{10} = 8.60$$

$$D_2 = 58.5 + \left(\frac{8.60 - 4}{6} \right) 5$$

$$D_2 = 58.5 + \left(\frac{4.60}{6} \right) 5$$

$$D_2 = 58.5 (0.77) 5$$

$$D_2 = 58.5 + 3.85 \quad D_2 = \boxed{62.35}$$

$$D_4 = Lv? + \left(\frac{N_4 - F_{aa}}{\frac{10}{F}} \right)$$

$$\frac{43 \times 4}{10} = 17.2$$

$$D_4 = 63.5 + \left(\frac{17.2 - 10}{12} \right) 5$$

$$D_4 = 63.5 + \left(\frac{7.20}{12} \right) 5$$

$$D_4 = 63.5 + (0.60) 5$$

$$D_4 = 63.5 + 3 = D_4 = \boxed{66.5}$$

$$D3 = 63.5 + \left(\frac{N3 - Faa}{\frac{10}{P}} \right) \cdot$$

$$\frac{43 \times 3}{10} = 12.9$$

$$D3 = 63.5 + \left(\frac{12.9 - 10}{12} \right) \cdot$$

$$D3 = 63.5 + \left(\frac{2.90}{12} \right) \cdot$$

$$D3 = 63.5 + (0.24) \cdot$$

$$D3 = 63.5 + 1.26$$

$$D3 = 64.7$$

$$D7 = 68.5 + \left(\frac{N7 - Faa}{\frac{10}{P}} \right) \cdot$$

$$\frac{43 \times 7}{10} = 30.1$$

$$D7 = 68.5 + \left(\frac{30.1 - 22}{13} \right) \cdot$$

$$D7 = 68.5 + \left(\frac{8.10}{13} \right) \cdot$$

$$D7 = 68.5 + (0.62) \cdot$$

$$D7 = 68.5 + 3.7$$

$$D7 = 72.2$$

$$D8 = 68.5 + \left(\frac{N8 - Faa}{\frac{10}{P}} \right) \cdot$$

$$\frac{43 \times 8}{10} = 34.4$$

$$D8 = 68.5 + \left(\frac{34.4 - 22}{13} \right) \cdot$$

$$D8 = 68.5 + \left(\frac{12.4}{13} \right) \cdot$$

$$D8 = 68.5 + (0.95) \cdot$$

$$D8 = 68.5 + 6.45$$

$$D8 = 75.0$$

Naomi: ordóñez

4to. Admon.