

4 Actividad:

Complete la siguiente tabla y
Calcule los Deciles 1, 3, 5, 6 y 9

Puntajes obtenidos por 25 alumnos
En un examen de Estudios Sociales I
de primero Básico.

X	Li	f	fc
49 - 55	48.5	2	2
56 - 69	55.5	3	5
70 - 76	69.5	9	14
77 - 83	76.5	9	23
84 - 90	83.5	2	25

$$D_1 = L_{ri} + \left(\frac{\frac{N_1}{10} - f_{aa}}{f} \right) i$$

$$D_1 = 55.5 + \left(\frac{2.5 - 2}{3} \right) 7$$

$\frac{25 \times 1}{10} = 2.5$

$$D_1 = 55.5 + \left(\frac{0.5}{3} \right) 7$$

$$D_1 = 55.5 + (0.17) 7$$

$$D_1 = 55.5 + 1.19$$

R11 56.69

$$D_3 = L_{ri} + \left(\frac{\frac{N_3}{10} - f_{aa}}{f} \right) i$$

$$D_3 = 69.5 + \left(\frac{7.5 - 5}{9} \right) 7$$

$\frac{25 \times 3}{10} = 7.5$

D3

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5070

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$$D3 = 69.5 + \left(\frac{2.5}{9} \right) 7$$

$$D3 = 69.5 + (0.28) 7$$

$$D3 = 69.5 + 1.96$$

71.46

$$D5 = L_{xi} + \left(\frac{\frac{N5}{10} - f_{aa}}{f} \right) i \quad \frac{25 \times 5}{10} = 12.5$$

$$D5 = 69.5 + \left(\frac{12.5 - 5}{9} \right) 7$$

$$D5 = 69.5 + \left(\frac{7.5}{9} \right) 7$$

$$D5 = 69.5 + (0.83) 7$$

$$D5 = 69.5 + 5.81$$

75.31

$$D6 = L_{xi} + \left(\frac{\frac{N6}{10} - f_{aa}}{f} \right) i \quad \frac{25 \times 6}{10} = 15$$

$$D6 = 76.5 + \left(\frac{15 - 14}{9} \right) 7$$

$$D6 = 76.5 + \left(\frac{1}{9} \right) 7$$

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$$D_0 = 76.5 + (0.11)7$$

$$D_0 = 76.5 + 0.77$$

77.27

$$D_1 = 76.5 + \left(\frac{\frac{N_1}{10} - f_{aa}}{f} \right)7 \quad \frac{25 \times 9}{10} = 22.5$$

$$D_1 = 76.5 + \left(\frac{22.5 - 14}{9} \right)7$$

$$D_1 = 76.5 + \left(\frac{8.5}{9} \right)7$$

$$D_1 = 76.5 + (0.94)7$$

$$D_1 = 76.5 + 6.58$$

83.08

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"yto admón"