



Instituto Privado “Rafael Arévalo Martínez”

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Profesor:

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Curso:

Estadística

Grado:

6to. Perito Contador

Ciclo Escolar:

2021

Actividad No. 4

ACTIVIDAD 4

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

Intervalo		Lri	f	fa
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

$$D1 = Lri + \left(\frac{\frac{N1}{10} - faa}{f} \right) i$$

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

$$D1 = 55.5 + \left(\frac{2.5 - 2}{3} \right) 7$$

$$D1 = 55.5 + \left(\frac{0.5}{3} \right) 7$$

$$D1 = 55.5 + (0.77) 7$$

$$D1 = 55.5 + 1.79$$

$$D1 = \underline{\underline{56.69}}$$

$$D3 = Lr + \left(\frac{\frac{N3}{10} - f_{aa}}{F} \right) i$$

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

$$D3 = 69.5 + \left(\frac{7.5 - 5}{9} \right) 7$$

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

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

$$D3 = 69.5 + 1.96$$

$$D3 = \underline{\underline{71.46}}$$

$$D5 = Lr + \left(\frac{\frac{N5}{10} - f_{aa}}{F} \right) i$$

$$\frac{25 \times 5}{10} = 12.5$$

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

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

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

$$D5 = 69.5 + 5.81$$

$$D5 = \underline{\underline{75.31}}$$

$$D6 = Lr + \left(\frac{\frac{N6}{10} - f_{aa}}{F} \right) i$$

$$\frac{25 * 6}{10} = 15$$

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

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

$$D6 = 76.5 + (0.11) 7$$

$$D6 = 76.5 + 0.77$$

$$D6 = \underline{\underline{77.27}}$$

$$D9 = Lr + \left(\frac{\frac{N9}{10} - f_{aa}}{F} \right) i$$

$$\frac{25 * 9}{10} = 22.5$$

$$D9 = 76.5 + \left(\frac{22.5 - 14}{9} \right) 7$$

$$D9 = 76.5 + \left(\frac{8.5}{9} \right) 7$$

$$D9 = 76.5 + (0.94) 7$$

$$D9 = 76.5 + 6.58$$

$$D9 = \underline{\underline{83.08}}$$