

## Actividad #4

6. Puntaje obtenido por 25 alumnos en un examen de Estudios Sociales I de Primer Básico.

| Intervalo | Lic  | 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 |

$$Dx = L_{ri} + \left( \frac{\frac{N \cdot x}{F} - f_{ac}}{f} \right) i$$

Real 1

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

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

$$D1 = 55.5 + (0.17) 7$$

$$D1 = 55.5 + 1.19 = 56.69$$

Real 3

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

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

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

$$D3 = 69.5 + 1.96 = 71.46$$

Real 5

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

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

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

$$D5 = 69.5 + 5.87 = 75.37$$

Real 6

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

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

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

$$D6 = 76.5 + 0.77 = 77.27$$

Quest 9

$$D_9 = 76.5 + \left( \frac{225 - 14}{9} \right) 7$$

$$D_9 = 76.5 + \left( \frac{8.5}{9} \right) 7$$

$$D_9 = 76.5 + (0.94) 7$$

$$D_9 = 76.5 + 6.58 = 83.08$$

$$D_1 = 56.69$$

$$D_3 = 71.46$$

$$D_5 = 75.31$$

$$D_6 = 77.27$$

$$D_9 = 83.08$$