

Tearea #6

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

Intervalo	Lr	f	fa	
49 - 55	48.5	2	2	
56 - 64	55.5	3	5	
70 - 76	69.5	9	14	AS
77 - 83	76.5	9	23	Q70
84 - 90	83.5	2	25	Q95
$\Sigma = 25$				

P15

$$P15 = 55.5 + \left(\frac{3.75 - 2}{3} \right) 7$$

$$\frac{25 \times 15 - 3.75}{100} = 3.75$$

$$P15 = 55.5 + \left(\frac{1.75}{3} \right) 7$$

$$P15 = 55.5 + (0.58) 7$$

$$P15 = 55.5 + 4.06$$

$$P15 = 59.56$$

P70

$$P70 = 76.5 + \left(\frac{17.5 - 14}{9} \right) 7$$

$$\frac{25 \times 70 - 17.5}{100} = 17.5$$

$$P70 = 76.5 + \left(\frac{3.5}{9} \right) 7$$

$$P70 = 76.5 + (0.39) 7$$

$$P_{70} = 76.5 + 2.73$$

$$P_{70} = 79.23$$

$$P_{95}$$

$$P_{95} = 83.5 + \frac{(23.75 - 23)}{2} 7$$

$$\frac{25 \times 95 - 23.75}{100}$$

$$P_{95} = 83.5 + \frac{(0.75)}{2} 7$$

$$P_{95} = 83.5 + (0.38) 7$$

$$P_{95} = 83.5 + 2.66$$

$$P_{95} = 86.16$$