

"Semana 6"

Calcular percentiles 15, 70, 95

Puntos obtenidos por 25 alumnos en un examen de estudios Sociales, 1mero Básico.

Intervalo	Lr	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

Gley Regina
Castillo Maldonado

P15

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

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

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

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

$$P15 = 55.5 + 4.1$$

$$P15 = 59.6$$

Elby Maldonado

P70
WIN

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

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

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

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

$$P70 = 76.5 + 2.73$$

$$P70 = 79.23$$

Eby Maldonado.

P95

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

$$P95 = 83.5 + \left(\frac{23.75 - 23}{2} \right) 7$$

$$P95 = 83.5 + \left(\frac{0.75}{2} \right) 7$$

$$P95 = 83.5 + (0.37) 7$$

$$P95 = 83.5 + 2.66$$

$$P95 = 86.16$$

Gby Maldonado.