

Puntajes obtenidos por 25 alumnos en un examen de Estudios Sociales de 100 puntos.

Intervalo	Lri	f	fa
49 - 55	48.5	2	2
56 - 64	55.5	3	5
65 - 76	69.5	9	14
77 - 83	76.5	9	23
84 - 90	83.5	2	25

Q1 Q2
Q3

Q1

$$Q1 = Lri + \left(\frac{N/4 - faa}{f} \right) i$$

$$25/4 = 6.25$$

$$Q1 = 69.5 + \left(\frac{6.25 - 5}{9} \right) 7$$

$$Q1 = 69.5 + \left(\frac{1.25}{9} \right) 7$$

$$Q1 = 69.5 + (0.14) 7$$

$$Q1 = 69.5 + 0.98$$

Q1 **70.48**

Q2

$$Q2 = Lri + \left(\frac{2N/4 - faa}{f} \right) i$$

$$\frac{2 \times 25}{4} = 12.5$$

$$Q2 = 69.5 + \left(\frac{12.5 - 5}{9} \right) 7$$

$$Q2 = 69.5 + \left(\frac{7.5}{9} \right) 7$$

$$Q2 = 69.5 + (0.83)7$$

$$Q2 = 69.5 + 5.81$$

$$Q2 = 75.31$$

Q3

$$Q3 = Lr_i + \left(\frac{3N/4 - faa}{f} \right) i$$

$$\frac{3 * 25 = 18.75}{4}$$

$$Q3 = 76.5 + \left(\frac{18.75 - 14}{9} \right) 7$$

$$Q3 = 76.5 + \left(\frac{4.75}{9} \right) 7$$

$$Q3 = 76.5 + (0.53)7$$

$$Q3 = 76.5 + 3.71$$

$$Q3 = 80.21$$