

Actividad #2 Fernando P.S

Puntajes obtenidos por 25 alumnos en
Un examen de Estudios Sociales I de
primero básico

Intervalo	Lx_i	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

Resuestas

$$Q_1 = 70.48$$

$$Q_2 = 75.31$$

$$Q_3 = 80.21$$

$$Q_1 = Lx_i + \left(\frac{N/4 - Fa}{f} \right); \quad 25/4 = 6.25$$

$$Q_1 = 69.5 + \left(\frac{6.25 - 5}{9} \right); \quad Q_1 = 70.48$$

$$Q_2 = Lx_i + \left(\frac{2N/4 - Fa}{f} \right); \quad \frac{2 \times 25}{4} = 12.5 \quad Q_2 = 69.5 + \left(\frac{12.5 - 14}{9} \right);$$

$$Q_2 = 75.31$$

$$Q_3 = Lx_i + \left(\frac{3N/4 - Fa}{f} \right); \quad \frac{3 \times 25}{4} = 18.75 \quad Q_3 = 76.5 + \left(\frac{18.75 - 23}{9} \right);$$

$$Q_3 = 80.21$$