

Puntos obtenidos por 25 alumnos en un examen de 5 preguntas. F de Prime no Basico.

Intervalo	x_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

$$Q1 = x_i + (N/4 - Fa)$$

$$25/4 = 6.25$$

$$Q1 = 69.5 + (6.25 - 5) = 7$$

$$Q1 = 69.5 + (6.25 - 5) = 7$$

$$Q1 = 69.5 + (0.1417) = 7$$

$$Q1 = 69.5 + 0.1417$$

$$Q1 = 70.48$$

$$Q2 = x_i + (2N/4 - Fa)$$

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

$$Q2 = 69.5 + (12.5 - 5) \div 9 \quad Q2 = 69.5 + (7.5 \div 9)$$

$$Q2 = 69.5 + (0.83 \div 9) \quad Q2 = 69.5 + 5.81$$

$$Q2 = 75.31$$

$$Q3 = 12.5 + (3N/4 - 100) \div 9 \quad Q3 = 3 \times 25 = 18.75$$

$$Q3 = 72.5 + (18.75 - 14) \div 9 \quad Q3 = 76.5 + (4.75 \div 9)$$

$$Q3 = 74.5 + (0.53 \div 9) \quad Q3 = 74.5 + 3.71$$

$$Q3 = 80.21$$