

Tearea 3:

Puntajes obtenidos por 43 alumnos en un examen de Ciencias Naturales

Intervalo	Lr i	xs	f	fa
54 - 58	53.5	56	4	4
59 - 63	58.5	61	6	10
64 - 68	63.5	66	12	22
69 - 73	68.5	71	13	35
74 - 78	73.5	76	3	38
79 - 83	78.5	81	4	42
84 - 88	83.5	86	1	43

Q_1 Q_2

Q_3

$$Q_1 = 63.5 + \left(\frac{10.75 - 10}{12} \right) 5$$

$$43/4 = 10.75$$

$$Q_1 = 63.5 + \left(\frac{0.75}{12} \right) 5$$

$$Q_1 = 63.5 + (0.06) 5$$

$$Q_1 = 63.5 + 0.3$$

$$Q_1 = 63.8$$

$$Q_1 = \frac{2 * 43}{4} = 21.5$$

$$Q_2 = 63.5 + \left(\frac{21.5 - 10}{12} \right) S$$

$$Q_2 = 63.5 + \left(\frac{11.5}{12} \right) S$$

$$Q_2 = 63.5 + (0.96) S$$

$$Q_2 = 63.5 + 4.8$$

$$Q_2 = 68.3$$

$$Q_3 = \frac{3 * 43}{4} = 32.25$$

$$Q_3 = 68.5 + \left(\frac{32.25 - 22}{13} \right) S$$

$$Q_3 = 68.5 + \left(\frac{10.25}{13} \right) S$$

$$Q_3 = 68.5 + (0.79) S$$

$$Q_3 = 68.5 + 3.95$$

$$Q_3 = 72.45$$

Polígono de frecuencias obtenido por 43 alumnos en un examen de Ciencias naturales.

