

Tania Maricela Gómez, 4to Admon, Estadística, #3

Puntajes Obtenidos Por 43 Alumnos En Un Examen De Ciencias Naturales.

Intervalo	Lvi	F	Fa	Xs
54 - 58	53.5	4	4	56
59 - 63	60.5	6	10	61
64 - 68	63.5	12	22	66
69 - 73	68.5	13	35	71
74 - 78	73.5	3	38	76
79 - 83	78.5	4	42	81
84 - 88	83.5	1	43	86

$$Q1 = Lvi + \left(\frac{N/4 - Fa}{F} \right) i$$

$$Q1 = \frac{43}{4} = 10.8$$

$$Q1 = 63.5 + \left(\frac{10.8 - 10}{12} \right) 5$$

$$Q1 = 63.5 + \left(\frac{0.80}{12} \right) 5$$

$$Q1 = 63.5 + (0.07) 5$$

$$Q1 = 63.5 + 0.35$$

$$Q1 = 63.8$$

$$Q2 = Lvi + \left(\frac{2N/4 - Fa}{F} \right) i$$

$$Q2 = \frac{2 \times 43}{4} = 21.5$$

$$Q2 = 63.5 + \left(\frac{21.5 - 10}{12} \right) 5$$

$$Q2 = 63.5 + \left(\frac{11.5}{12} \right) 5$$

$$Q2 = 63.5 + (0.96) 5$$

$$Q2 = 63.5 + 4.80$$

$$Q2 = 68.3$$

$$Q3 = L + i \left(\frac{\frac{3N}{4} - F_{ac}}{F} \right)$$

$$Q3 = \frac{3 \times 43}{4} = 32.3$$

$$Q3 = 68.5 + \left(\frac{32.3 - 22}{13} \right) 5$$

$$Q3 = 68.5 + \left(\frac{10.3}{13} \right) 5$$

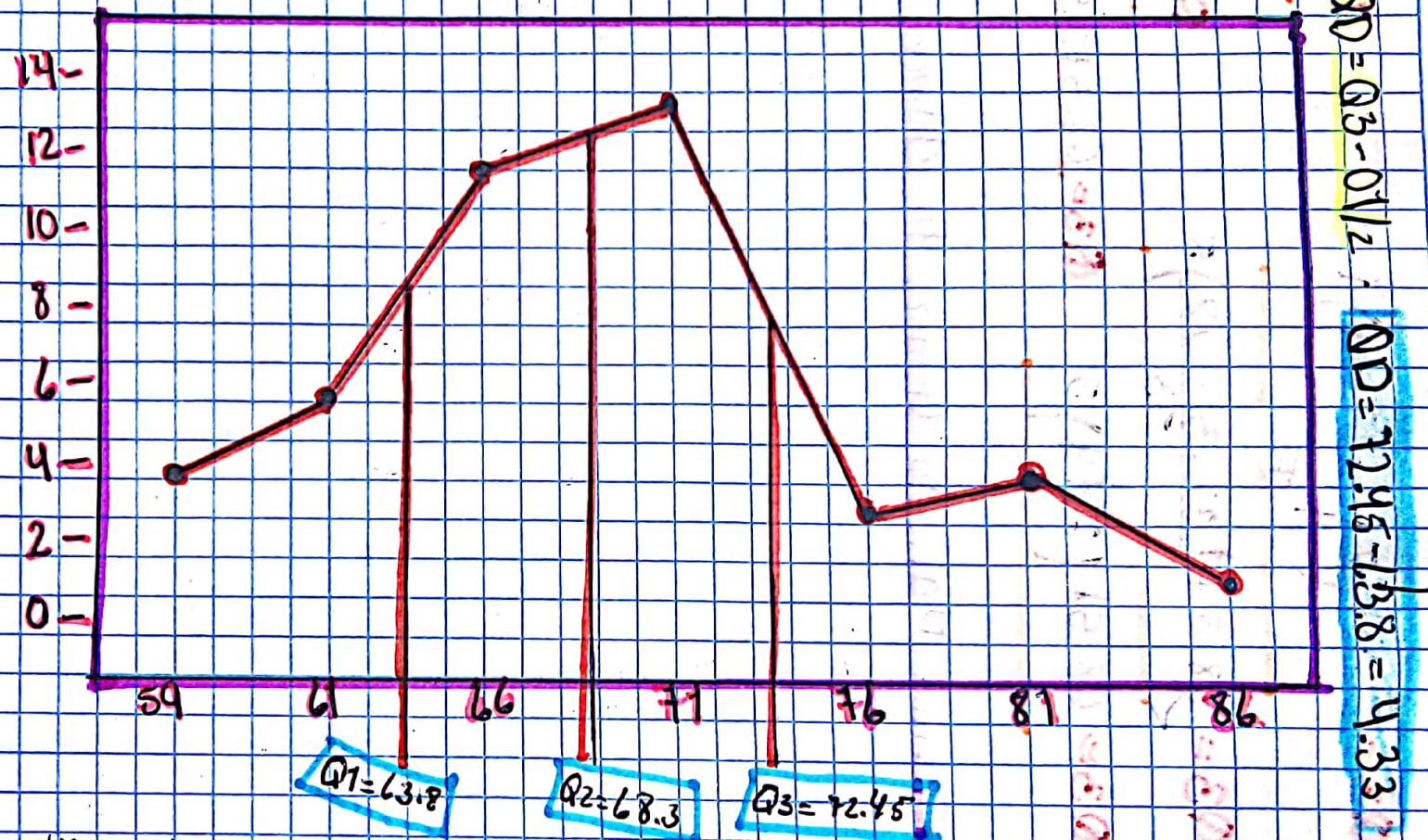
$$Q3 = 68.5 + (0.79) 5$$

$$Q3 = 68.5 + 3.95$$

$$Q3 = 72.45$$

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Poligono de Frecuencias Puntos Obtenidos en el Curso de Ciencias Naturales...



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