

demanda 21

Puntaje obtenido por 13 alumnos en un Examen de Ciencias Naturales.

Intervalo	Lr_i	F	F_{aa}	X_S	
54 - 58	53.5	4	4	56	
59 - 63	58.5	6	10	61	
64 - 68	63.5	12	22	66	Q1 Q2
69 - 73	68.5	13	35	71	Q3
74 - 78	73.5	3	38	76	
79 - 83	78.5	4	42	81	
84 - 88	83.5	1	43	86	

$$Q1 = Lr_i + \left(\frac{N/4 - F_{aa}}{F} \right) i$$

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

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

$$63.5 + (0.04) 5$$

$$63.5 + 0.3 = Q1 = 63.8$$

$$Q2 = Lr_i + \left(\frac{\frac{2N}{4} - F_{aa}}{F} \right) i$$

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

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

$$63.5 + (0.96) 5$$

$$63.5 + 4.8 = Q2 = 68.3$$

$$Q3 = L_{ri} + \left(\frac{\frac{3N}{4} - F_{aa}}{f} \right) i$$

$$68.5 + \left(\frac{32.25 - 22}{13} \right) 5$$

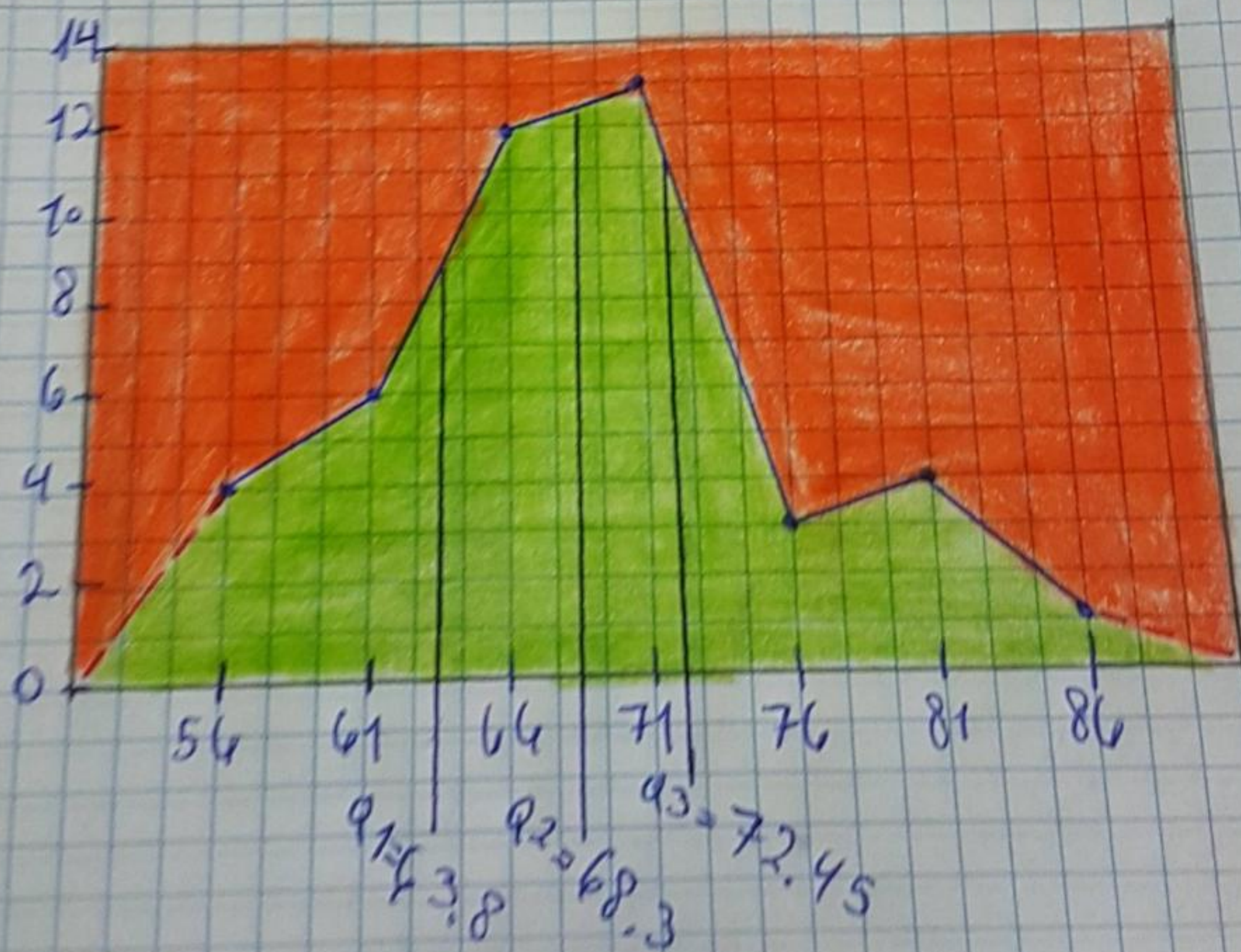
$$68.5 + \left(\frac{10.25}{13} \right) 5$$

$$68.5 + (0.79) 5$$

$$68.5 + 3.95 =$$

$$Q3 = 72.45$$

Puntajes obtenidos por 43 alumnos en el Examen de Ciencias Naturales



$$QD = \frac{Q3 - Q1}{2}$$

$$QD = \frac{72.45 - 63.8}{2} = 4.33$$