

Semana 3

Tabla de distribución de frecuencias de
Valores Agrupados en Intervalos.

Intervalo	Mr	ls	Xs	F	Fa	Fxs
54 - 58	53.5	58.5	56	4	4	224
59 - 63	58.5	63.5	61	10	14	366
64 - 68	63.5	68.5	66	22	36	792
69 - 73	68.5	73.5	71	35	71	923
74 - 78	73.5	78.5	76	38	109	228
79 - 83	78.5	83.5	81	42	151	324
84 - 88	83.5	88.5	86	43	194	86

$$Q1 = 63.5 + \left(\frac{10.75 - 10}{12} \right) 5$$

$$Q1 = 63.5 + \left(\frac{0.75}{12} \right) 5$$

$$Q1 = 63.5 + (0.06) 5$$

$$Q1 = 63.5 + 0.3$$

$$Q1 = 63.8$$

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

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

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

$$Q2 = 63.5 + 4.8$$

$$Q2 = 68.3$$

$$Q3 = 68.5 + \left(\frac{32.25 - 22}{13} \right) 5$$

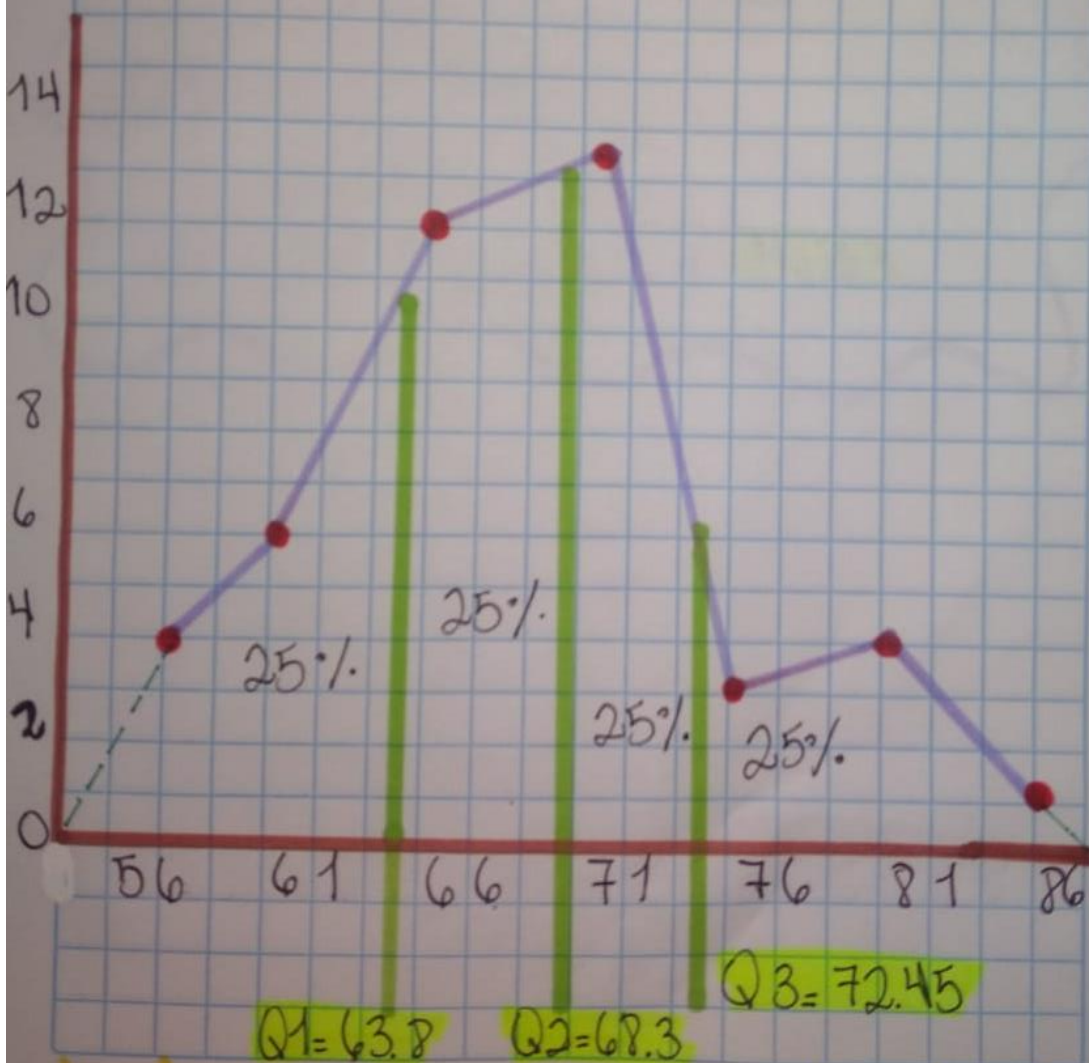
$$Q3 = 68.5 + \left(\frac{10.25}{13} \right) 5$$

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

$$Q3 = 68.5 + 3.95$$

$$Q3 = 72.45$$

Polígono de frecuencias Puntajes obtenidos en el curso de ciencias Naturales.



"Desviación Intercuartil"

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

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