

**Nombre:**

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**Grado:**

4.to Perito en Administración de Empresas

**Curso:**

Estadística

**Catedrático:**

Josué Estrada

**Tarea: #3**



# Puntajes obtenidos por 43 estudiantes en el Curso de Ciencias Naturales

| R | F | A | L | XS | F  |
|---|---|---|---|----|----|
| 1 | 5 | 4 | 5 | 56 | 1  |
| 2 | 5 | 9 | 6 | 61 | 6  |
| 3 | 6 | 5 | 6 | 66 | 12 |
| 4 | 6 | 9 | 6 | 71 | 18 |
| 5 | 7 | 4 | 6 | 76 | 24 |
| 6 | 7 | 5 | 7 | 81 | 30 |
| 7 | 8 | 4 | 7 | 86 | 36 |

Q1

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

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

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

$$Q_1 = 63.5 + 0.3$$

$$Q_1 = 63.80$$

Q2

$$Q_2 = 63.5 + \left( \frac{21.5 - 10}{12} \right) 5$$

$$Q_2 = 63.5 + \left( \frac{11.5}{12} \right) 5$$

$$Q_2 = 63.5 + (0.96) 5$$

$$Q_2 = 63.5 + 4.8$$

$$Q_2 = 68.30$$

$Q_3$

$$Q_3 = 63.5 + \left( \frac{32.25 - 10}{12} \right) 5$$

$$Q_3 = 63.5 + \left( \frac{22.25}{12} \right) 5$$

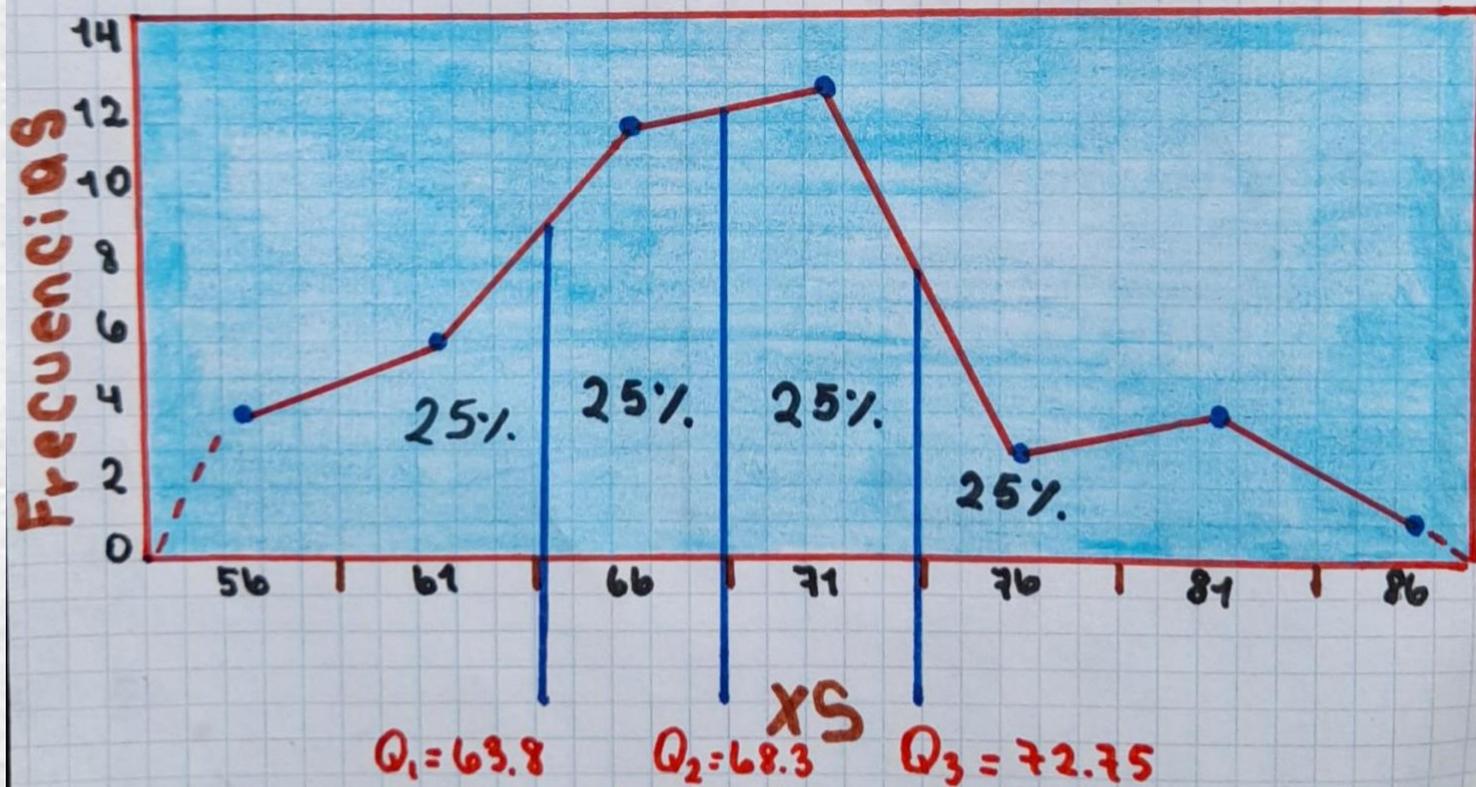
$$Q_3 = 63.5 + (1.85) 5$$

$$Q_3 = 63.5 + 9.25$$

$$Q_3 = 72.75$$



Polígono de Frecuencias Puntos obtenidos en el curso de Ciencias Naturales



Desviación intercuartil

$$QD = \frac{72.75 - 63.8}{2} = 4.48$$