



Calcule la media aritmética, mediana y moda de la siguiente tabla.

Puntos obtenidos por 36 alumnos en un examen de Cálculo Mercantil de Quinto Perito Contador

L	A	L_{xi}	L_{ys}	Xs	f	Fa	$f \times S$
52	58	51.5	58.5	55	9	9	495
59	65	58.5	65.5	62	4	13	248
66	72	65.5	72.5	69	6	19	414
73	79	72.5	79.5	76	9	28	684
80	86	79.5	86.5	83	5	33	415
87	93	86.5	93.5	90	2	35	180
94	100	93.5	100.5	97	1	36	97
							2,533

$$\bar{X} = \frac{2,533}{36} = 70.36$$

$$md = L_{ri} + \left(\frac{\frac{N}{2} - F_{aa}}{f} \right) i$$

$$\frac{36}{2} = 18$$

$$md = 65.5 + \left(\frac{18 - 13}{6} \right) 7$$

$$md = 65.5 + \left(\frac{5}{6} \right) 7$$

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$$Md = 65.5 + (0.83)7$$

$$Md = 65.5 + 5.81$$

$$Md = 71.31$$

$$MO = \left(Y_i + \left(\frac{\Delta_1}{\Delta_1 + \Delta_2} \right) i \right)$$

$$MO = 9 - 6 = 3$$

$$MO = 9 - 5 = 4$$

$$MO = 72.5 + \left(\frac{3}{3+4} \right)7$$

$$MO = 72.5 + \left(\frac{3}{7} \right)7$$

$$MO = 72.5 + (0.43)7$$

$$MO = 72.5 + 3.01$$

$$MO = 75.51$$

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