

III Bloque.

Puntajes obtenidos por 45 alumnos en un examen de matemáticas financieras

34 55 58 64 66 69 76 78 85 89
 36 56 60 65 67 70 76 78 87 89
 45 56 60 65 67 74 77 78 88 90
 45 56 62 66 67 74 77 85 88 90
 48 57 63 66 68

K	L-A	Lsi	Lrs	Ns	F	Fa	Fxs
1	34-42	33.5	42.5	38	2	2	76
2	43-51	42.5	51.5	47	3	5	141
3	52-60	51.5	60.5	56	8	13	448
4	61-69	60.5	69.5	65	13	26	845
5	70-78	69.5	78.5	74	10	36	740
6	79-87	78.5	87.5	83	3	39	249
7	88-96	87.5	96.5	92	6	45	552

45

3051

$$\bar{X} = \frac{3051}{45} = \underline{\underline{67.80}}$$

$$Md = L_{si} + \left(\frac{N/2 - F_{a-1}}{f} \right) \cdot a = 45/2 = 22.5$$

$$Md = 60.5 + \left(\frac{22.5 - 13}{13} \right) \cdot 9$$

$$Md = 60.5 + \left(\frac{9.5}{13} \right) \cdot 9 \quad Md = 60.5 + (0.73) \cdot 9$$

$$Md = 60.5 + 6.57$$

$$Md = \underline{67.07} //$$

$$Mo = Lc + \left(\frac{a1}{07+02} \right) c$$

$$\Delta 1 = 13 - 8 = 5$$

$$\Delta 2 = 13 - 10 = 3$$

$$Mo = 60.5 + \left(\frac{5}{5+3} \right) c$$

$$Mo = 60.5 + \left(\frac{5}{8} \right) c //$$

$$Mo = 60.5 + (0.63) c$$

$$Mo = 60.5 + 5.67$$

$$Mo = \underline{66.17} //$$