

X	L - A	LY1	LY5	XS	F	Fa	FXS
1	34 - 42	38.5	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 - 81	78.5	81.5	83	3	39	249
7	88 - 96	87.5	96.5	92	6	46	552
							3051

$$\bar{X} = \frac{\sum FXS}{n}$$

$$\bar{X} = \frac{3051}{45} = 67.8$$

$$Md = LY_i + \left(\frac{1/2 - F_{a(i)}}{f} \right) i \quad 45/2 = 22.5$$

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

$$Md = 60.5 + (9.5) 9 \quad Md = 60.5 + (0.73) 9$$

$$Md = 60.5 + 6.57$$

$$Md = 67.07$$

$$MO = LY_i + \left(\frac{\Delta_1}{\Delta_1 + \Delta_2} \right) i \quad \Delta_1 = 13 - 8 = 5 \quad \Delta_2 = 13 - 10 = 3$$

$$MO = 60.5 + \left(\frac{5}{5+3} \right) 9 \quad MO = 60.5 + \left(\frac{5}{8} \right) 9 \quad MO = 60.5 + (0.63) 9$$

$$MO = 60.5 + (0.63) 9 \quad MO = 60.5 + 5.67 \quad MO = 66.17$$

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