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MATERIA: Estadística I.

ACTIVIDAD: Actividad 2 de la unidad 4.

CUATRIMESTRE : Primer Cuatrimestre.

GRUPO: Psicología I.

LUGAR Y FECHA: Comitán de Domínguez, Chiapas.

09 de diciembre del 2021

29	30	29	33	29	37	33	34
45	100	65	38	49	72	41	76
100	92	63	45	67	85	50	89
90	100	98	69	77	88	66	90
56	98	88	65	88	94	63	93
100	44	80	92	92	38	78	94
75	56	84	78	100	47	84	50
38	52	91	67	49	68	92	45
91	77	100	45	56	34	100	50

$$\text{Rango} = \frac{(100-29)+1}{8} = \frac{72}{8} = 9$$

Intervalos	f_i	$\% f_i$	f_{iw}	$\% f_{iw}$	X_i	$f_i X_i$	X_i^2	$f_i X_i^2$
29-37	8	11.11%	8	11.11%	33	264	1089	8712
38-46	8	11.11%	16	22.22%	42	336	1764	14112
47-55	8	11.11%	24	33.33%	51	408	2601	20808
56-64	5	6.94%	29	40.28%	60	300	3600	18000
65-73	9	12.5%	38	52.78%	69	621	4761	42888
74-82	7	9.72%	45	62.5%	78	546	6084	42849
83-91	11	15.28%	56	77.78%	87	952	7569	63254
92-100	16	22.22%	72	100%	96	1536	9216	147456
	$\Sigma f_i = 72$					4968		377784

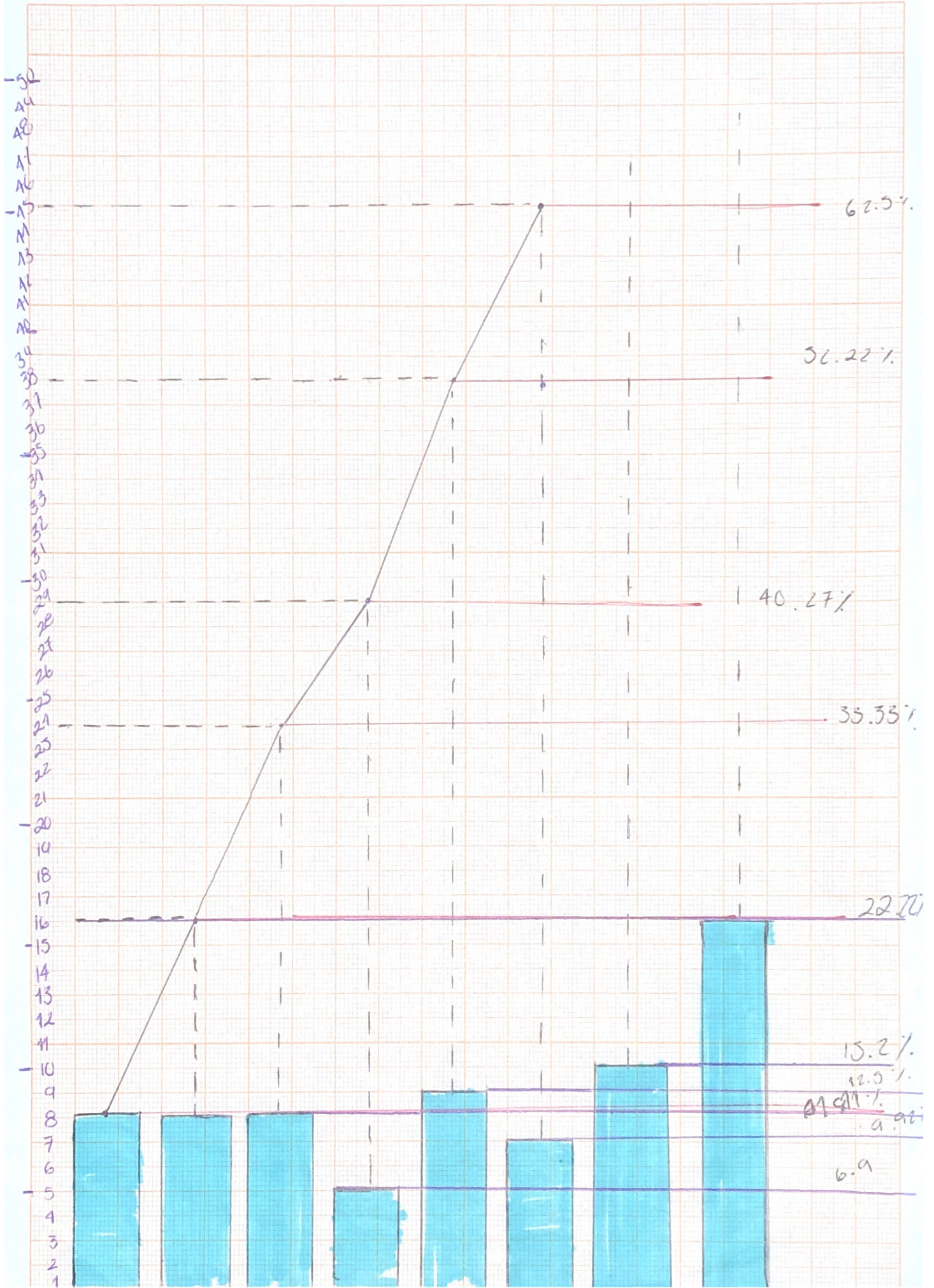
$$X_1 = \frac{4968}{72} = 69$$

$$M_2 = \frac{65 + 36 - 29 \cdot 8}{9} = 71.22$$

$$M_0 = \frac{92 + 16 - 11 \cdot 8}{(16+11) + (16-9)} = 93.90$$

$$S^2 = \frac{377784 - \frac{(4968)^2}{72}}{71} = \frac{377784 - 342792}{71} = \frac{34992}{71} = 492.84$$

$$S = \sqrt{492.84} = 22.2$$



15.2%
 12.5%
 21.91%
 9.92%
 6.9

