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**Nombre del trabajo: Actividad 2
Cuarta unidad**

Materia: Estadística

PASIÓN POR EDUCAR

Grado: 1er cuatrimestre

Grupo: A

Comitán de Domínguez Chiapas a 29 de Enero de 2020.

Pablo Angel Campo Santos

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	49	80	92	92	38	78	94
73	56	84	78	100	47	84	50
38	52	91	67	49	68	92	45
91	77	100	45	56	74	100	50

hango =

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

Intervalos:	f_i	$\%f_i$	f_{ig}	$\%f_{ig}$	\bar{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	14,112
47-55	8	11.11%	24	33.33%	51	408	2601	20,808
56-64	5	6.94%	29	40.27%	60	300	3600	18,000
65-73	9	12.5%	38	52.27%	69	621	4761	42,588
74-82	7	9.72%	45	62.5%	78	546	6084	42,849
83-91	11	15.27%	56	77.77%	87	957	7569	83,154
92-100	16	22.22%	72	100%	96	1536	9216	147,456
$\Sigma f_i x_i$						4968		377,784

$$\bar{x} = \frac{4968}{72} = 69$$

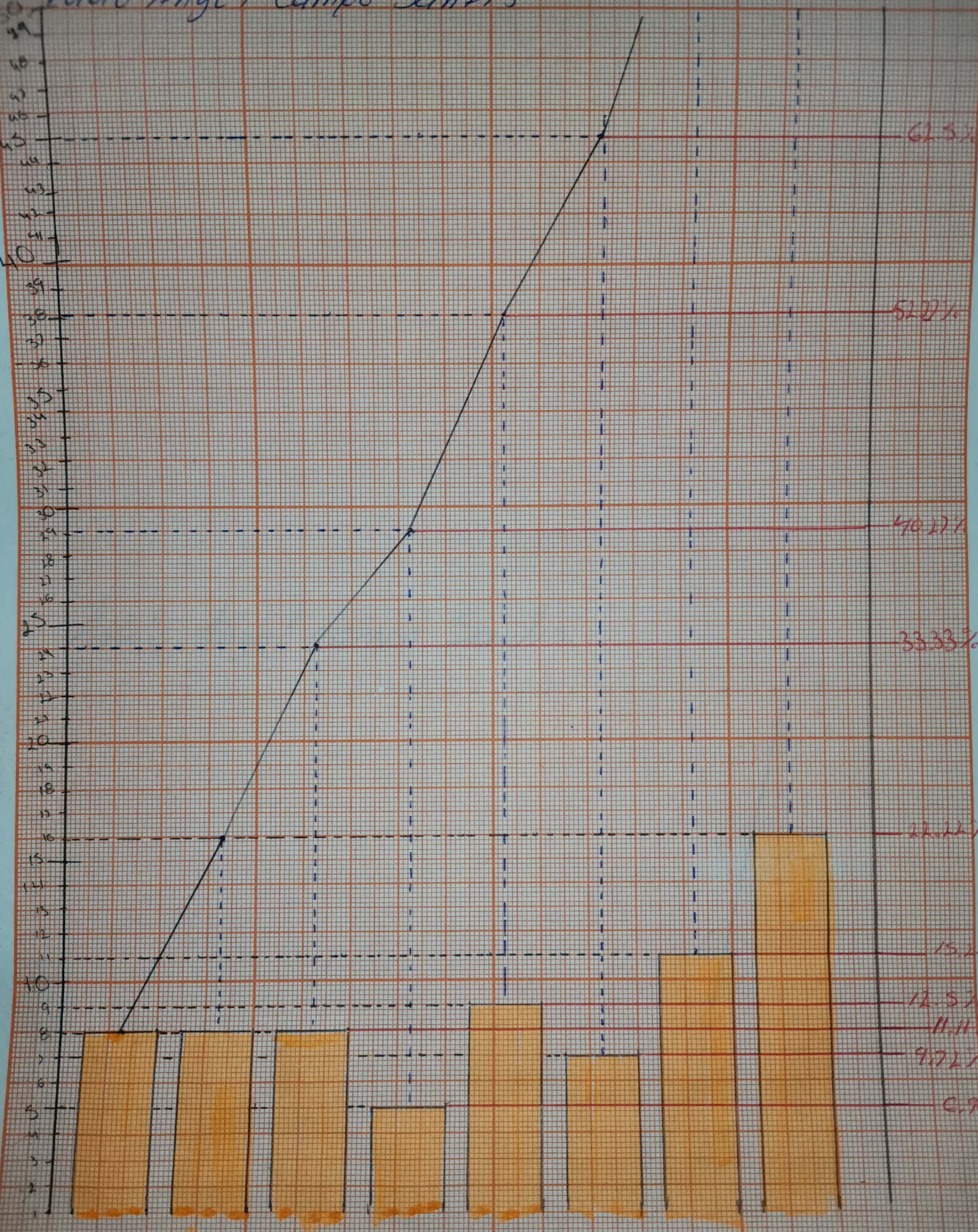
$$M_e = 65 + \frac{36 - 29}{9} \cdot 8 = 71.22$$

$$M_o = 92 + \frac{16 - 11}{(16 - 11) + (16 - 0)} \cdot 8 = 93.90$$

$$s^2 = \frac{377,784}{71} - \frac{(4968)^2}{72^2} = \frac{377,784}{71} - \frac{342,792}{71} = \frac{34,992}{71} = 492.84$$

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

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