Nombre de alumno:KELLMI DISAILI HERNANDEZ GARCIA

Nombre del profesor: JORGE ENRIQUE ALBORES AGUILAR

Nombre del trabajo: GRAFICA

Materia: ESTADISTICA

Grado: 1

Grupo: A

Comitán de Domínguez Chiapas a 29 de Enero de 2020.

Intervalo	Fi	Fi %	Fia	Fia %	$\bar{x}_i$	$F_i\bar{x}_i$	$\bar{x}_i^2$	$F_i\bar{x}_i^2$
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	40.27 %	60	300	3600	18000
65 – 73	9	12.5 %	38	52.77 %	69	621	4761	42849
74 – 82	7	9.72 %	45	62.5 %	78	546	6084	42588
83 – 91	11	15.27 %	56	77.77 %	87	957	7569	83259
92 – 100	16	22.22 %	72	100 %	96	1536	9216	147456
	$\Sigma = 72$					$\Sigma = 4968$		$\Sigma = 377784$

$$\bar{x} = \frac{\Sigma F_i x_i}{n}$$

$$\bar{x} = 69$$

$$me = L_i + \frac{\frac{n}{2} - F_{ia-1}}{F_i} \cdot a_i$$

$$me = \frac{51{,}36 - 29}{9} \cdot 8$$

$$me = 71.22$$

$$mo = L_i + \frac{F_i - F_{i-1}}{(F_i - F_{i-1}) + (F_i - F_{i+1})} \cdot a_i$$

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

$$mo = 93.90$$

$$S^2 = \frac{F_i x_i^2 - \frac{(F_i x_i)^2}{n}}{n - 1}$$

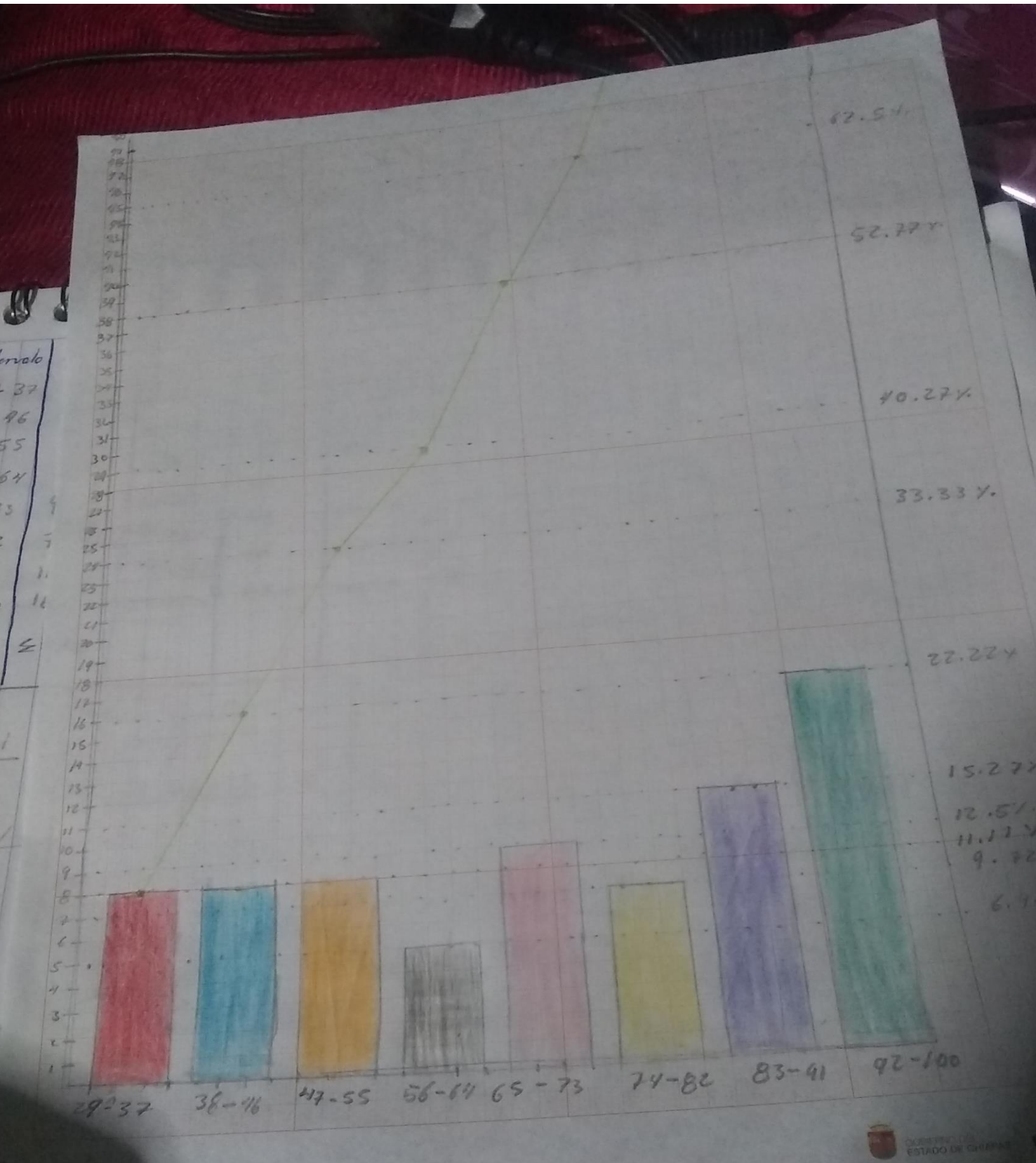
$$S^2 = \frac{377784 - \frac{(4968)^2}{72}}{71}$$

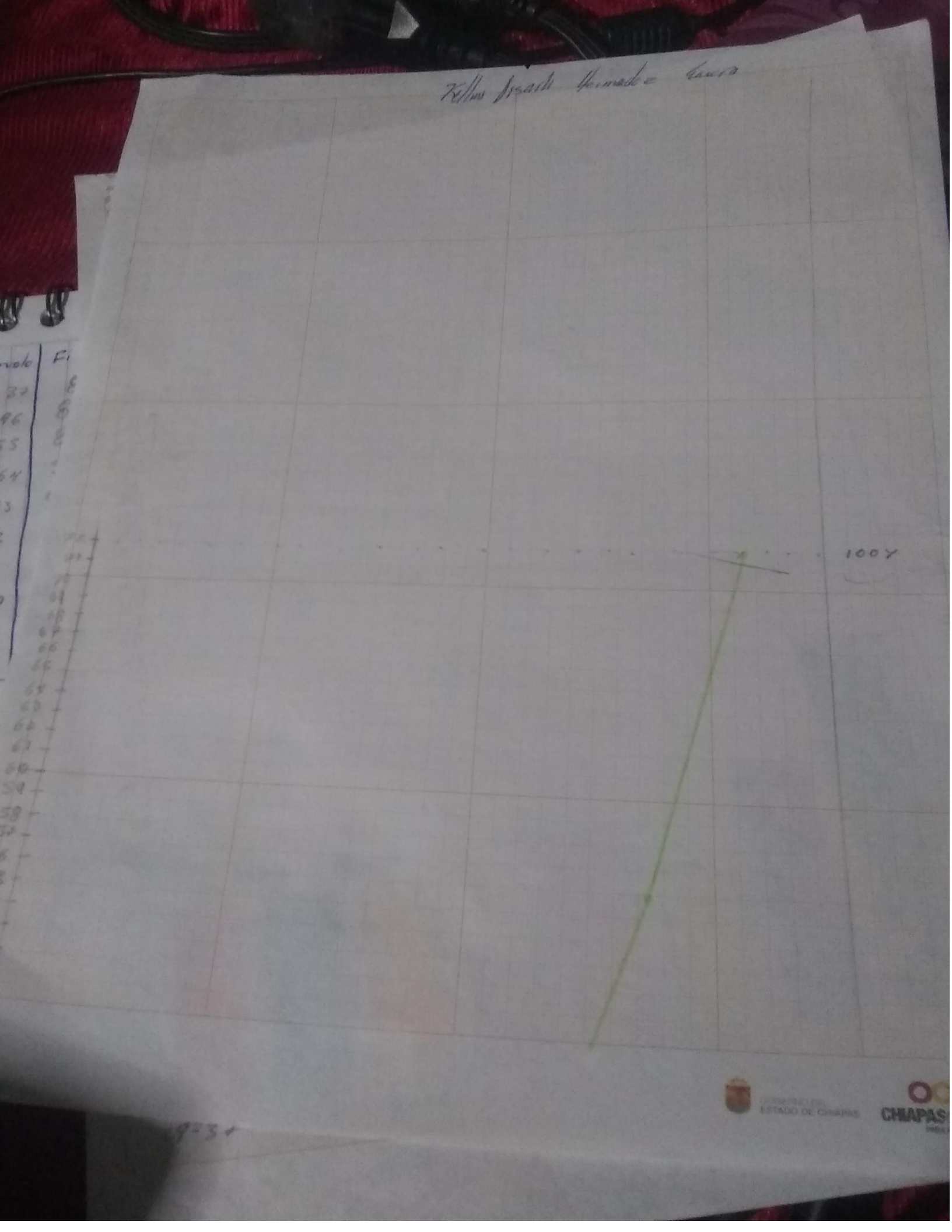
$$S^2 = 192.81$$

$$S = 22.20$$

02-Diciembre-2024

$1500


62.5%
52.77%
40.27%
33.33%
22.22%
15.27%
12.5%
11.11%
9.72%
6.94%
29-37
38-46
47-55
56-64
65-73
74-82
83-91
92-100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