

Examen Unidad 1  
30/03/2022

Nombre: Luis Ricardo Reyes Villar

64	35	80	48	29	63	83	81
66	38	59	77	66	21	41	24
36	55	44	81	73	60	34	71
53	65	35	73	79	33	51	37
62	58	59	37	49	40	76	48

Clase	F	F.a.a	F.a.r	Fr	Xi	Xi - $\bar{X}$	(Xi - $\bar{X}$ ) <sup>2</sup>	f(Xi - $\bar{X}$ ) <sup>2</sup>	fXi <sup>2</sup>
20-29	3	3	0.075	0.075	24.5	30	900	2,700	73.5
30-39	8	11	0.275	0.200	34.5	20	400	3,200	276
40-49	6	17	0.425	0.150	44.5	10	100	600	267
50-59	6	23	0.575	0.150	54.5	0	0	0	327
60-69	7	30	0.750	0.175	64.5	10	100	700	451.5
70-79	6	36	0.900	0.150	74.5	20	400	2,400	447
80-89	4	40	1	0.100	84.5	30	900	3,600	338
									54.5

$$Media = \frac{\sum f \cdot x_i}{N} = \frac{2180}{40}$$

$$N = 40$$

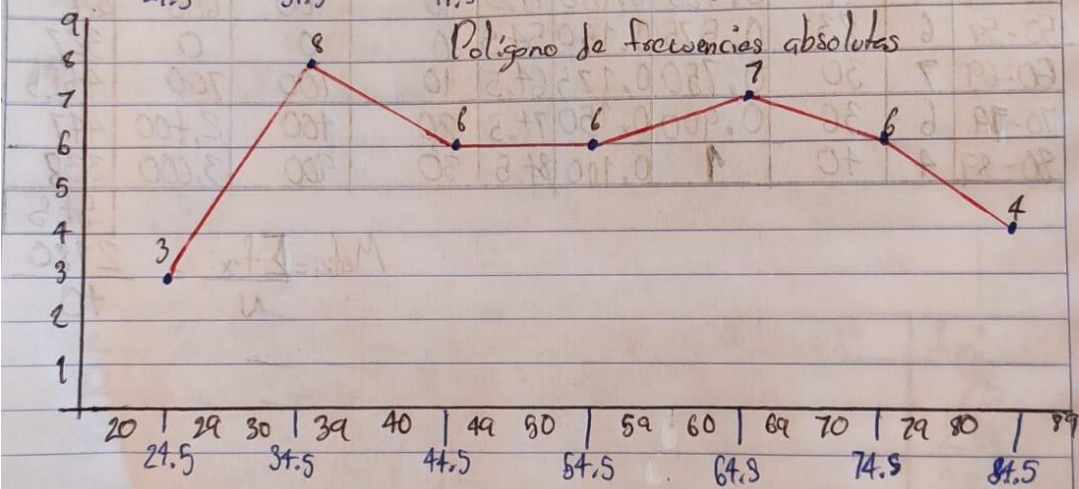
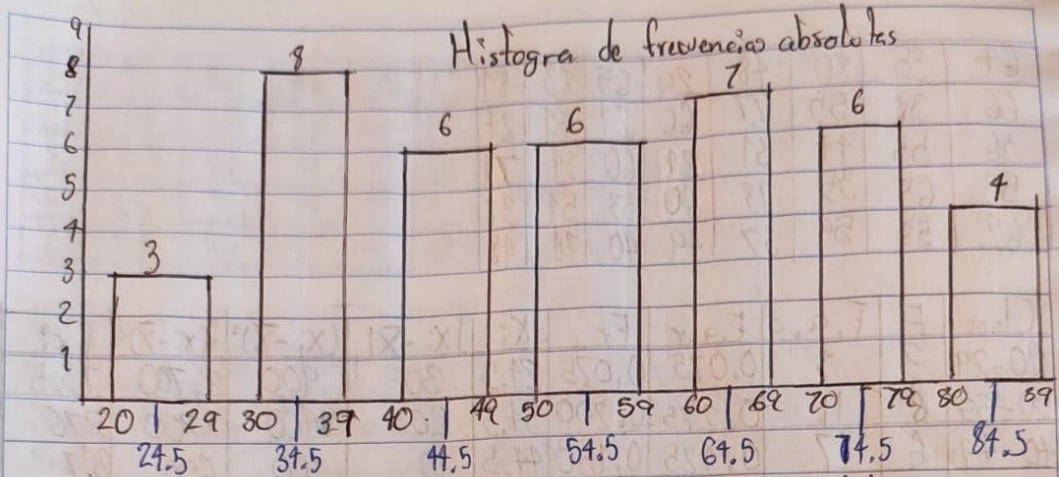
$$No. Clase = \sqrt{40} = 6.32$$

$$Rango = D_{mayor} - D_{menor} = 83 - 21 = 62$$

$$Ancho de clase = \frac{Rango}{No. Clase} = \frac{62}{6.32} = 9.8$$

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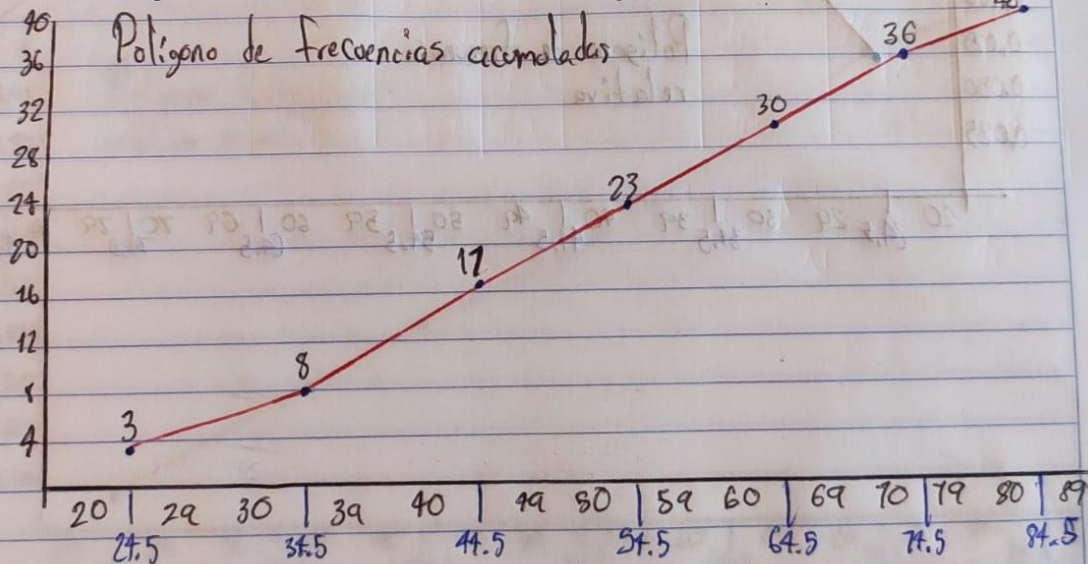
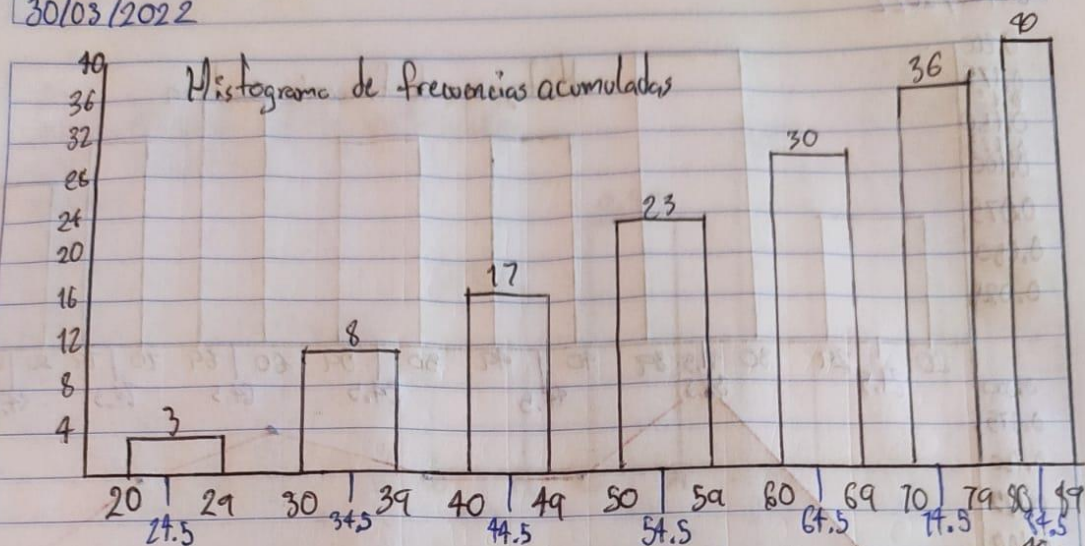
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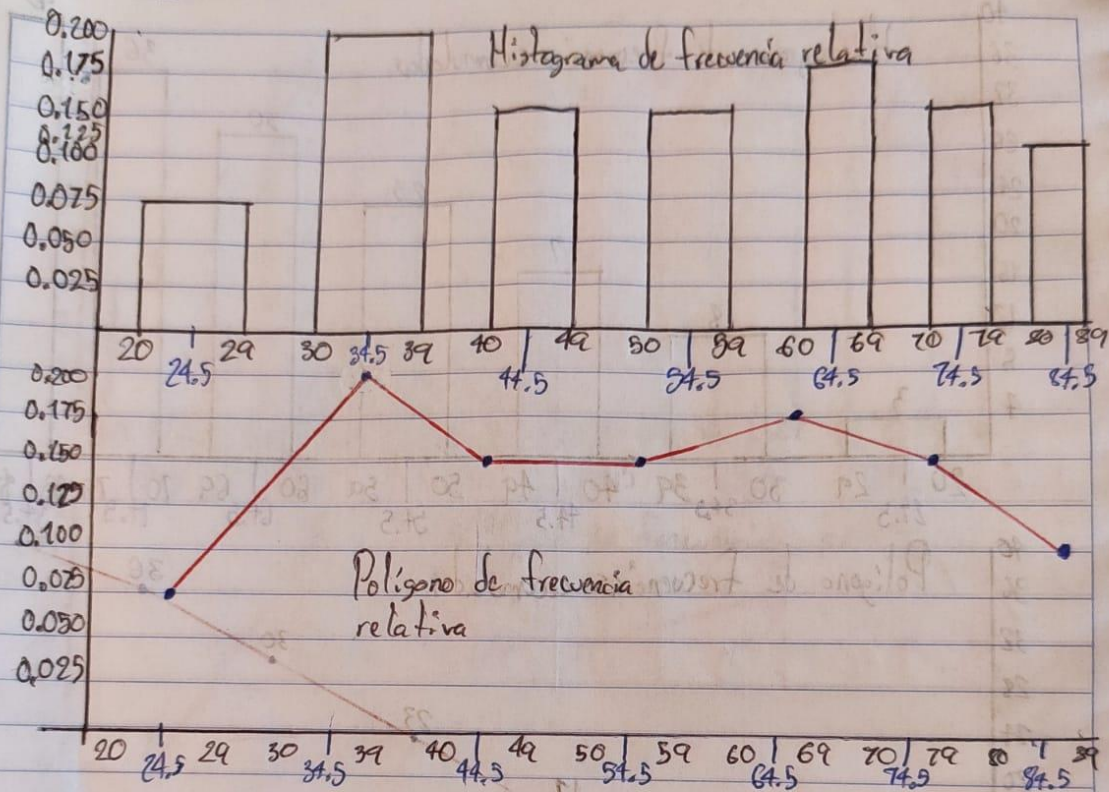
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