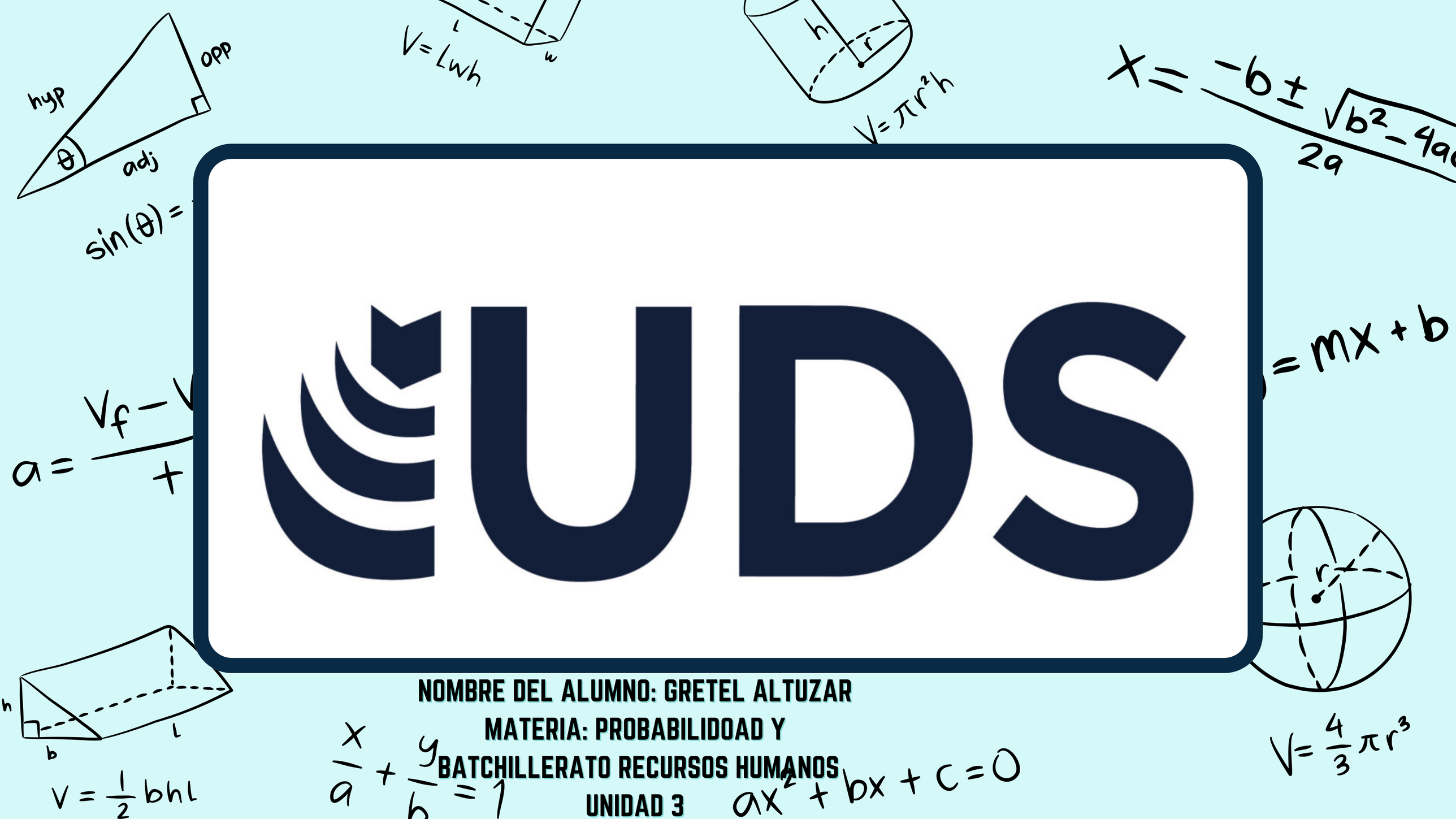

NOMBRE DEL ALUMNO: GRETEL ALTUZAR

MATERIA: PROBABILIDOAD Y

BATCHILLERATO RECURSOS HUMANOS

UNIDAD 3

Actividad de Plataforma

x_i	F_i	F_i	Fr	%	$x_i \cdot F_i$	Σx^2
5	3	3	0.05	5%	15	75
6	4	7	0.13	13%	24	144
8	4	11	0.20	20%	32	256
12	6	17	0.32	32%	72	864
13	2	19	0.35	35%	26	338
15	4	23	0.43	43%	60	900
16	3	26	0.49	49%	48	768
20	7	33	0.62	62%	140	2800
25	8	41	0.77	77%	200	5000
32	2	43	0.81	81%	64	2048
35	3	46	0.86	86%	105	3675
40	2	48	0.90	90%	80	3200
45	3	51	0.96	96%	135	6075
75	2	53	1	1%	150	11250
					1201	37393

$\bar{X} = 1201/53 = 22.66$

Rango $= 5 - 75 = 70$ u

Me $= 20$ u

Mo $= 25$ u

$30\% = P_{30} = \frac{(30)(53)}{100} = \frac{1590}{100} = 15.9 = 15^{\#} = 8$ u

$55\% = P_{55} = \frac{55(53)}{100} = \frac{2915}{100} = 29.15 = 29^{\#} = 20$ u

$75\% = P_{75} = \frac{75(53)}{100} = \frac{3975}{100} = 39.75 = 39^{\#} = 20$ u

$$s^2 = \frac{\Sigma x_i^2 - \frac{(\Sigma x_i)^2}{n}}{n-1}$$

$$s^2 = \frac{37393 - (1442401)}{53}$$

$$s^2 = \frac{37393 - 27215.113}{52}$$

$$s^2 = \frac{10177.887}{52}$$

$s^2 = 195.72$

Varianza

$s = 13.98$ (desviación)