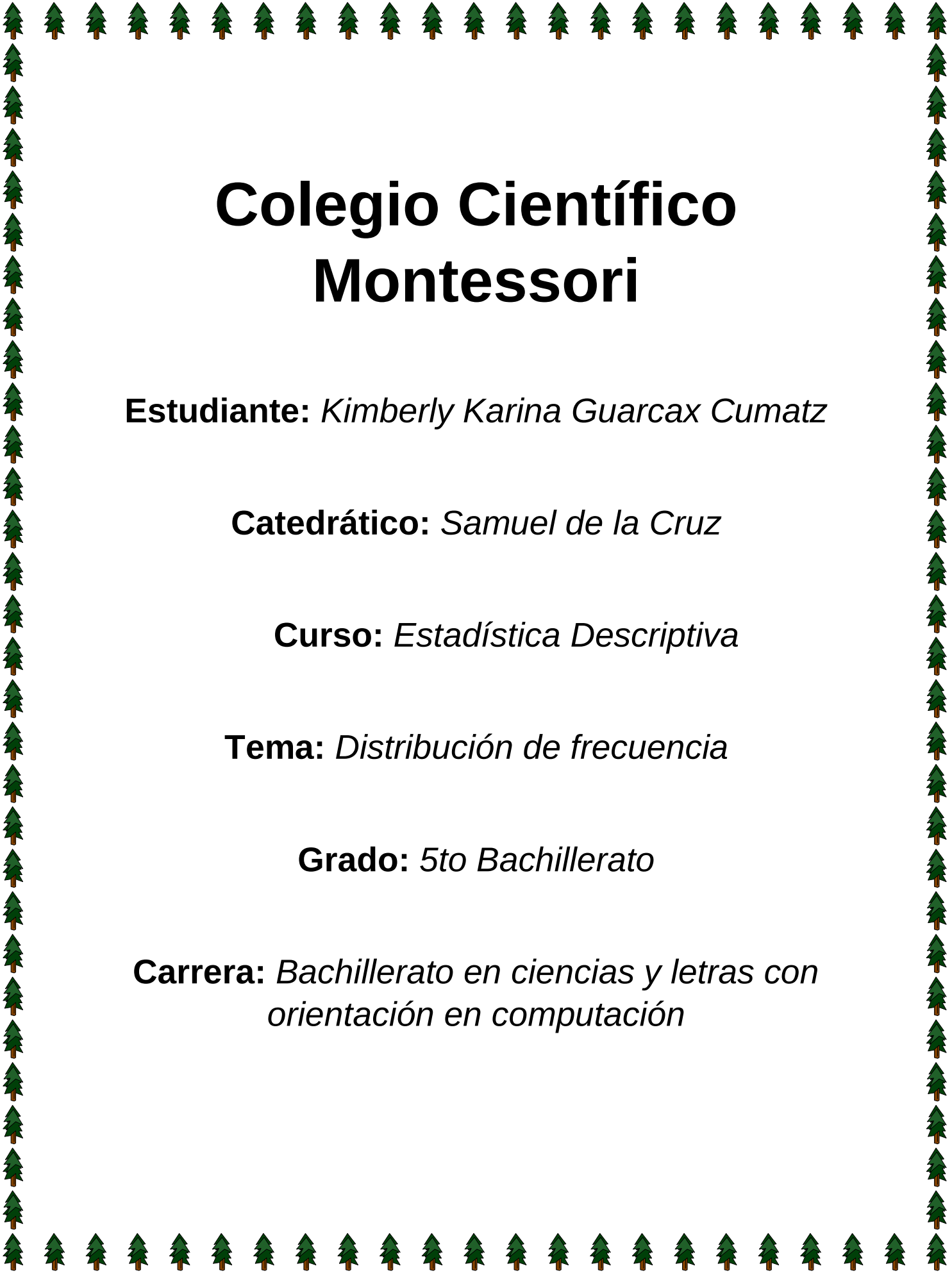




Colegio Científico Montessori

Estudiante: *Kimberly Karina Guarcax Cumatz*

Catedrático: *Samuel de la Cruz*

Curso: *Estadística Descriptiva*

Tema: *Distribución de frecuencia*

Grado: *5to Bachillerato*

Carrera: *Bachillerato en ciencias y letras con
orientación en computación*

Realiza la distribución de frecuencia de los grupos de datos que encontraras a continuación. Deberás haber estudiado la lección 15.

a) 20, 21, 30, 26, 24, 20, 22, 20, 21, 30, 26, 25, 22, 25, 31, 20, 26, 24, 22, 20, 32, 30, 21, 30, 24, 28, 22, 31, 20, 21, 30, 26, 25, 22, 25.

20, 20, 20, 20, 20, 20, 21, 21, 21, 21, 22, 22, 22, 22, 22, 24, 24, 24, 25, 25, 25, 25, 26, 26, 26, 26, 28, 30, 30, 30, 30, 30, 31, 31, 32.

Xi	fi	Fi	ni	Ni	ni%	Ni%
20	6	6	0.1714	0.1714	17.14%	17.14%
21	4	10	0.1143	0.2857	11.43%	28.57%
22	5	15	0.1429	0.4286	14.29%	42.86%
24	3	18	0.0857	0.5143	8.57%	51.43%
25	4	22	0.1143	0.6286	11.43%	62.86%
26	4	26	0.1143	0.7429	11.43%	74.29%
28	1	27	0.0286	0.7715	2.86%	77.15%
30	5	32	0.1429	0.9144	14.29%	91.44%
31	2	34	0.0571	0.9715	5.71%	97.15%
32	1	35	0.0286	1	2.86%	100%
	35		1		100%	

b) 10, 11, 15, 10, 18, 12, 18, 16, 11, 13, 17, 18, 14, 18, 14, 19, 10,
17, 11, 11, 13, 15, 14, 19, 16, 17, 16, 12, 11, 10, 18, 12, 18, 16,
11, 13, 17.

10, 10, 10, 10, 11, 11, 11, 11, 11, 11, 12, 12, 12, 13, 13, 13, 14,
14, 14, 15, 15, 16, 16, 16, 16, 17, 17, 17, 17, 18, 18, 18, 18, 18,
18, 19, 19.

Xi	fi	Fi	ni	Ni	ni%	Ni%
10	4	4	0.1081	0.1081	10.81%	10.81%
11	6	10	0.1622	0.2703	16.22%	27.03%
12	3	13	0.0811	0.3514	8.11%	35.14%
13	3	16	0.0811	0.4325	8.11%	43.25%
14	3	19	0.0811	0.5136	8.11%	51.36%
15	2	21	0.0541	0.5677	5.41%	56.77%
16	4	25	0.1081	0.6758	10.81%	67.58%
17	4	29	0.1081	0.7839	10.81%	78.39%
18	6	35	0.1622	0.9461	16.22%	94.61%
19	2	37	0.0541	1	5.41%	100%
	37		1		100%	

c) 2, 4, 6, 3, 6, 4, 4, 5, 5, 4, 7, 3, 5, 4, 3, 3, 5, 6, 3, 4, 3, 4, 3, 4, 3, 2,
4, 2, 2, 3, 3, 3, 3, 3, 4, 4, 4, 6, 4, 3, 4, 4, 4, 4, 4, 5, 5, 5, 5, 6, 6, 7.

2, 2, 2, 2, 3, 3, 3, 3, 3, 3, 3, 3, 3, 3, 3, 3, 3, 4, 4, 4, 4, 4, 4, 4, 4,
4, 4, 4, 4, 4, 4, 4, 4, 4, 4, 5, 5, 5, 5, 5, 5, 5, 5, 6, 6, 6, 6, 6, 6, 7, 7.

Xi	fi	Fi	ni	Ni	ni%	Ni%
2	4	4	0.0769	0.0769	7.69%	7.69%
3	14	18	0.2692	0.3461	26.92%	34.61%
4	18	36	0.3462	0.6923	34.62%	69.23%
5	8	44	0.1538	0.8461	15.38%	84.61%
6	6	50	0.1154	0.9615	11.54%	96.15%
7	2	52	0.0385	1	3.85%	100%
	52		1		100%	