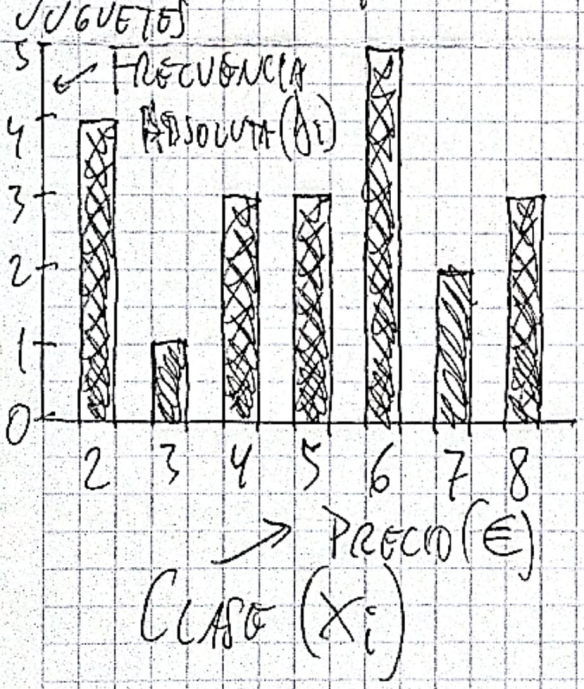
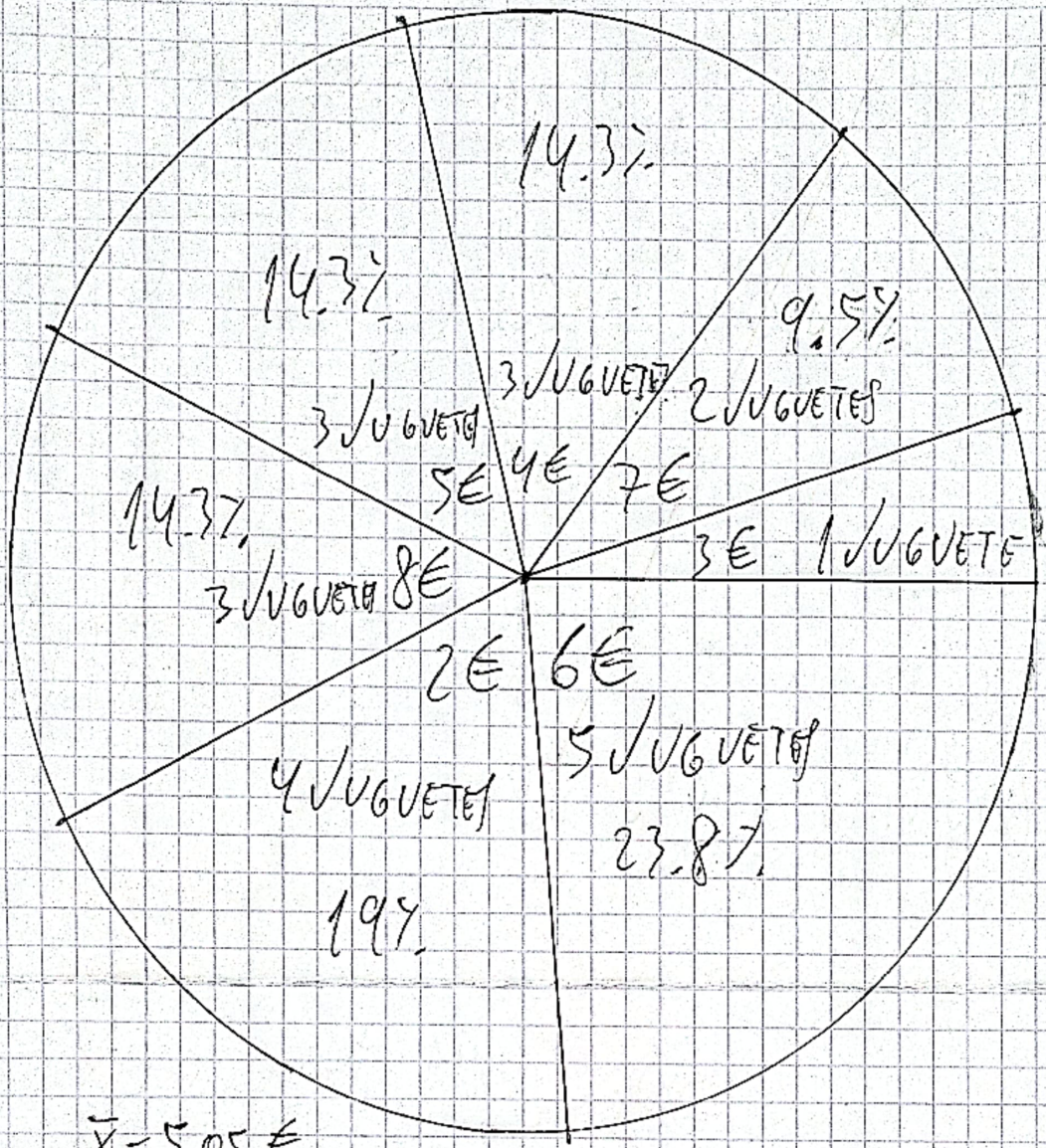
12)

x_i	f_i	$x_i \cdot f_i$	f_r	%	$f_r \cdot 360$	
2	4	8	0.190	19	68.4	
3	1	3	0.048	4.8	17.28	-
4	3	12	0.143	14.3	51.48	-
5	3	15	0.143	14,3	51.48	-
6	5	30	0.238	23.8	85.68	
7	2	14	0.095	9.5	34.2	-
8	3	24	0,143	14.3	51.48	-
	21	106	1	100	360	

RANGO = 8 - 2 = 6 €

MODA = 6 € | MEDIANA = 5 € | MEDIA $(\bar{X}) = \frac{106}{21} = 5.05$ €





$\bar{X} = 5.05\ €$

X_i	f_i	$\lvert X_i - \bar{X}\rvert$	$f_i \lvert X_i - \bar{X}\rvert$	$(X_i - \bar{X})^2$	$f_i (X_i - \bar{X})^2$
2	4	3.05	12.2	9.3025	37.21
3	1	2.05	2.05	4.2025	4.2025
4	3	1.05	3.15	1.1025	3.3075
5	3	0.05	0.15	0.0025	0.0075
6	5	0.95	4.75	0.9025	4.5125
7	2	1.95	3.9	3.8025	7.605
8	3	2.95	8.85	8.7025	26.1075
	21		35.05		82.9525

$\sigma = \sqrt{3.95} = 1.99\ €$

$C.V = \frac{\sigma}{\bar{X}}$

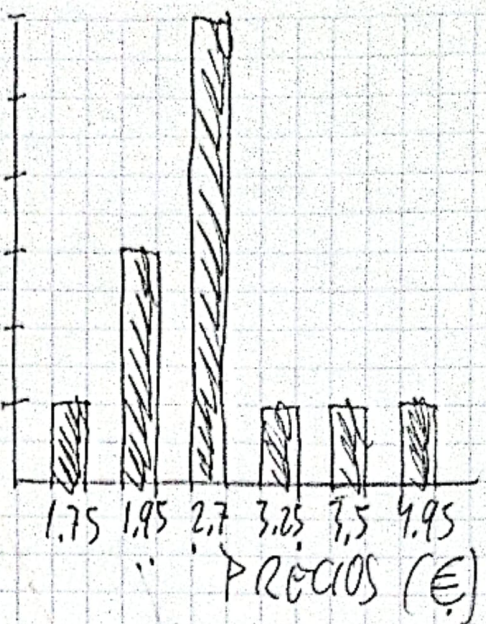
$C.V = \frac{1.99}{5.05} = 0.39$

$DM = \frac{35.05}{21} = 1.67\ €$ | $\sigma^2 = \frac{82.9525}{21} = 3.95\ €^2$

14

x_i	f_i	$x_i \cdot f_i$	f_r	%	$f_r \cdot 360$
1.75	1	1.75	0,077	7.7	27.72
1.95	3	5.85	0.231	23.1	83.16
2.7	6	16.2	0.462	46.2	166.32
3.25	1	3.25	0.077	7.7	27.72
3.5	1	3.5	0.077	7.7	27.72
4.95	1	4.95	0.077	7.7	27.72
	13	35.5	1.001	100.1	360.36

COMPLEMENTOS

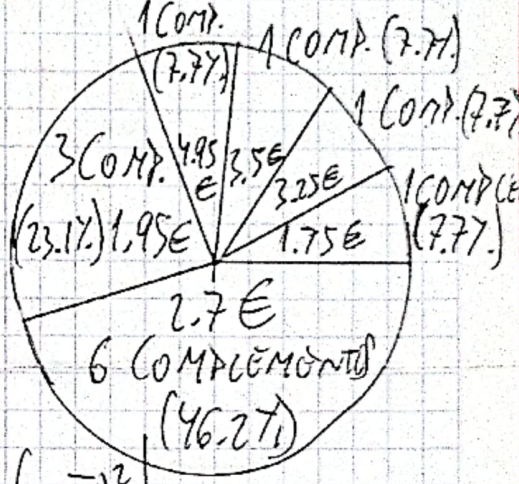


MODA = 2,7 €

$\bar{x} = \frac{35.5}{13} = 2,73$ €

MEDIANA = 2.7 €

RANGO = 3,2 €



x_i	f_i	$\lvert x_i - \bar{x} \rvert$	$f_i \lvert \bar{x} - x_i \rvert$	$(x_i - \bar{x})^2$	$f_i (x_i - \bar{x})^2$
1.75	1	0.98	0.98	0.9604	0,9604
1.95	3	0.78	2.34	0.6084	1.8252
2.7	6	0.03	0.18	0.0009	0.0054
3.25	1	0.52	0.52	0.2704	0.2704
3.5	1	0.77	0.77	0.5929	0.5929
4.95	1	2.22	2.22	4.9284	4.9284
	13		7.01		8.5827

$DM = \frac{7.01}{13} = 0.54$ €

$\sigma^2 = \frac{8.5827}{13} = 0.66$ €

$\sigma = \sqrt{0.66} = 0.81$ €

$C.V. = \frac{0.81}{2.73} = 0.3$