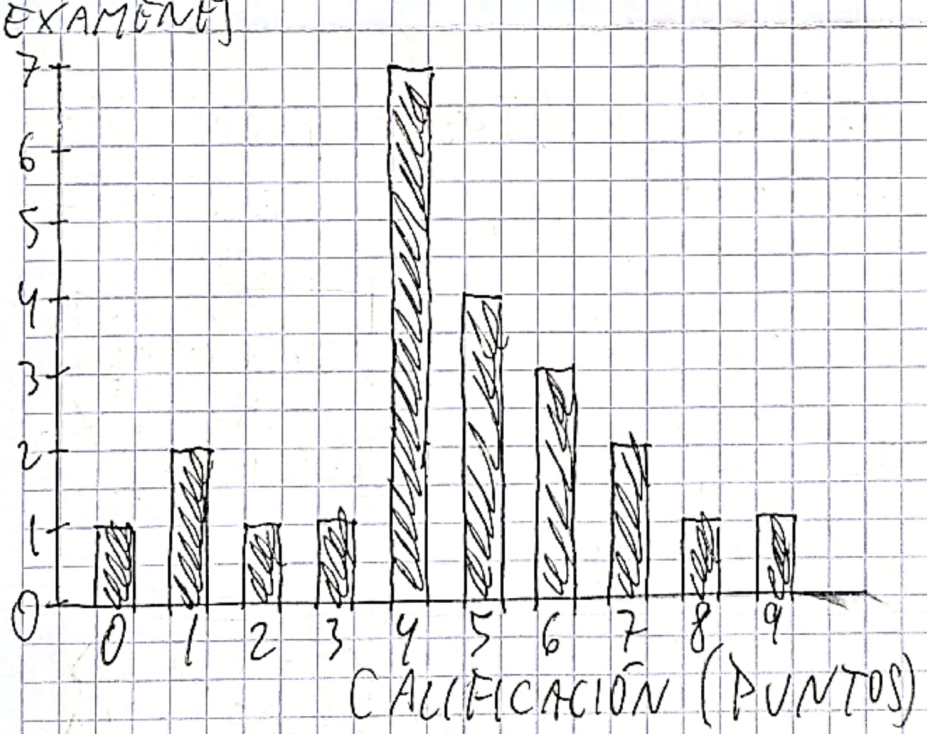
15

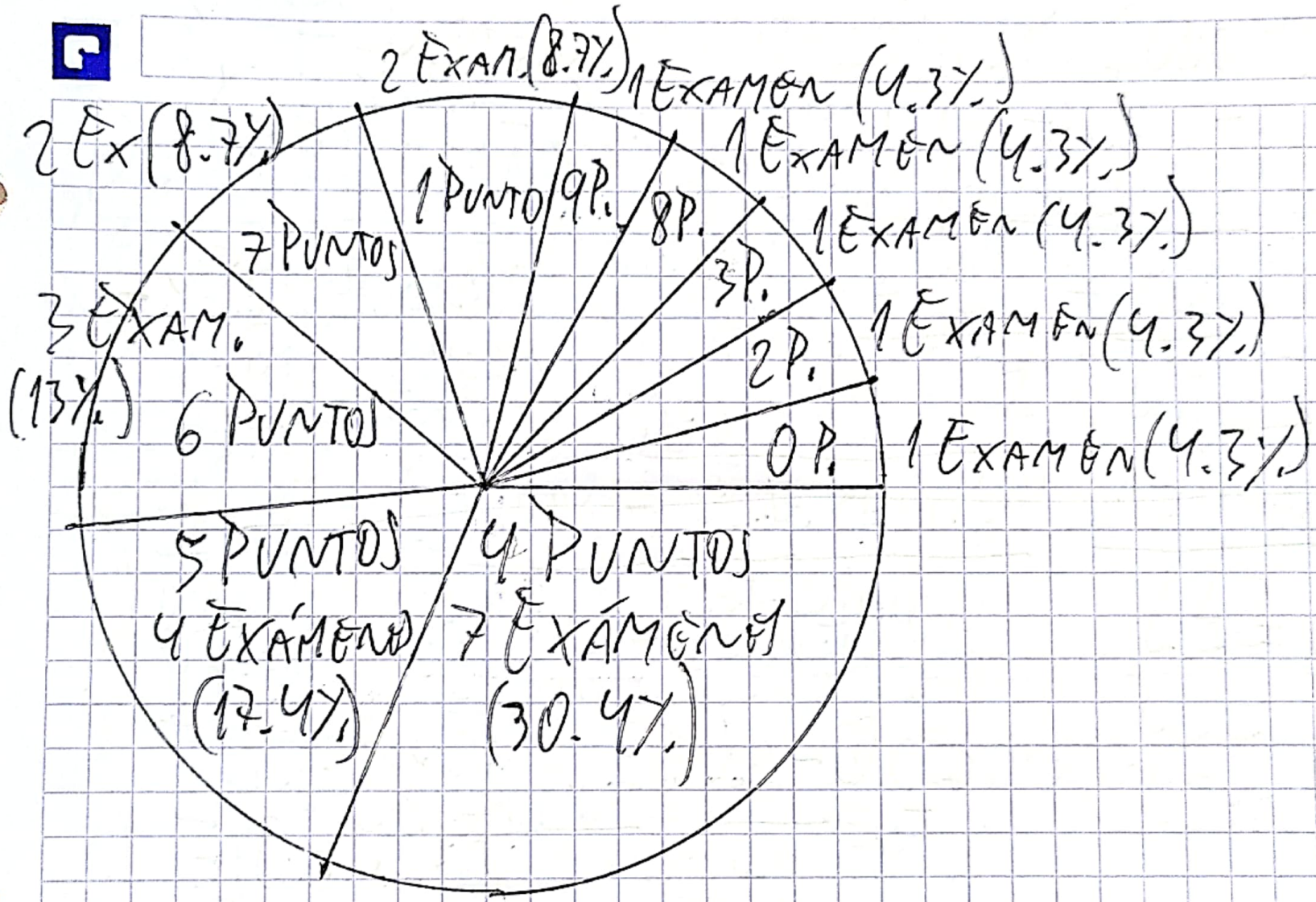
x_i	f_i	$x_i \cdot f_i$	f_r	%	$f_r \cdot 360$
0	1	0	0.043	4.3	15.48
1	2	2	0.087	8.7	31.32
2	1	2	0.043	4.3	15.48
3	1	3	0.043	4.3	15.48
4	7	28	0.304	30.4	109.44
5	4	20	0.174	17.4	62.64
6	3	18	0.130	13	46.8
7	2	14	0.087	8.7	31.32
8	1	8	0.043	4.3	15.48
9	1	9	0.043	4.3	15.48
	23	104	0.997	99.7	358.92

MODA = 4 PUNTOS

$\bar{x} = \frac{104}{23} = 4.52$ PUNTOS

MEDIANA = 4 PUNTOS





RANGO = 9 - 0 = 9 PUNTOS

x_i	f_i	$\lvert x_i - \bar{x} \rvert$	$f_i \lvert x_i - \bar{x} \rvert$	$(x_i - \bar{x})^2$	$f_i (x_i - \bar{x})^2$
0	1	4.52	4.52	20.43	20.43
1	2	3.52	7.04	12.39	24.78
2	1	2.52	2.52	6.35	6.35
3	1	1.52	1.52	2.31	2.31
4	7	0.52	3.64	0.27	1.89
5	4	0.48	1.92	0.23	0.92
6	3	1.48	4.44	2.19	6.57
7	2	2.48	4.96	6.15	12.30
8	1	3.48	3.48	12.11	12.11
9	1	4.48	4.48	20.07	20.07
	23		38.52		107.73

$$CV = \frac{2.16}{4.52} = 0.48$$

$$DM = \frac{38.52}{23} = 1.67 \text{ PUNTOS}$$

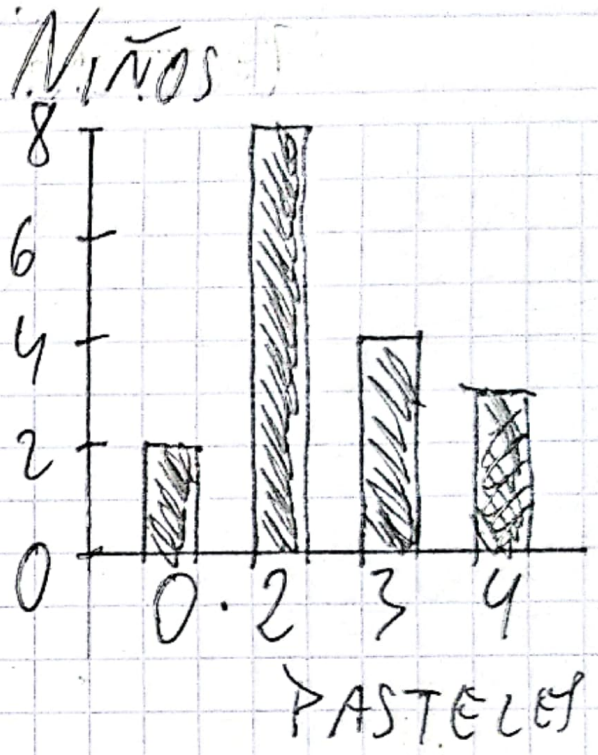
$$\sigma^2 = \frac{107.73}{23} = 4.68 \text{ PUNTOS}^2$$

$$\sigma = \sqrt{4.68} = 2.16 \text{ PUNTOS}$$

En una fiesta un grupo de niños come dulces. El número de pasteles comido por cada niño es:

0, 2, 2, 4, 3, 2, 2, 3, 4, 0, 4, 2, 3, 2, 2, 3, 2

x_i	f_i	$x_i \cdot f_i$	f_r	%	$f_r \cdot 360$
0	2	0	0.118	11.8	42.48
2	8	16	0.471	47.1	169.56
3	4	12	0.235	23.5	84.6
4	3	12	0.176	17.6	63.36
	17	40	1	100	360

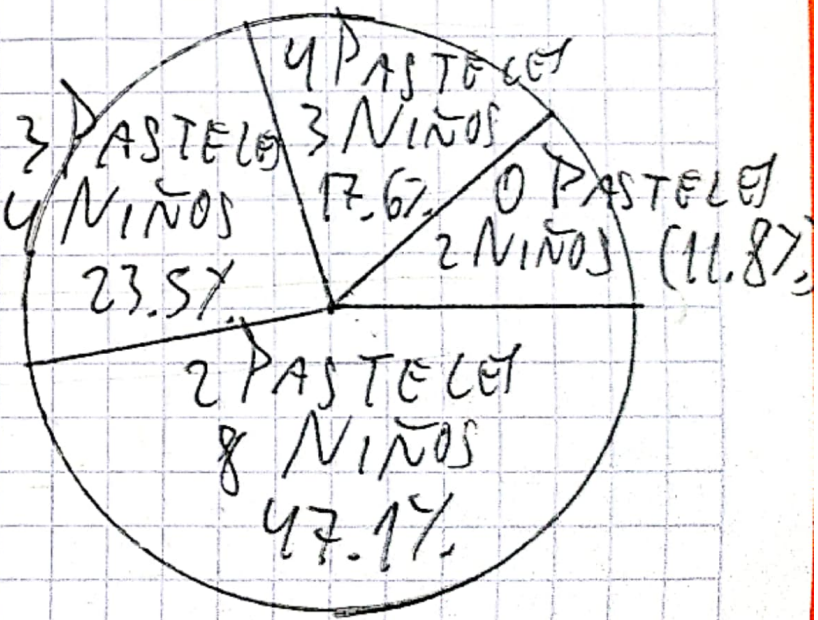


MODA = 2 PASTELES

$\bar{x} = \frac{40}{17} = 2.35$ PASTELES

MEDIANA = 2 PASTELES

RANGO = 4 - 0 = 4 PASTELES



x_i	f_i	$\lvert x_i - \bar{x} \rvert$	$f_i \lvert x_i - \bar{x} \rvert$	$(x_i - \bar{x})^2$	$f_i (x_i - \bar{x})^2$
0	2	2.35	4.7	5.52	11.04
2	8	0.35	2.8	0.12	0.96
3	4	0.65	2.6	0.42	1.68
4	3	1.65	4.95	2.72	8.16
	17		15.05		21.84

b) $M = \frac{15.05}{17} = 0.89$ PASTELES

$\sigma^2 = \frac{21.84}{17} = 1.28$ PASTELES^2

$\sigma = \sqrt{1.28} = 1.13$ PASTELES

$CV = \frac{1.13}{2.35} = 0.48$