

Ejercicio 1.

7 8 5 10 9 10 5 12 8 6
 10 4 6 5 10 4 10 5 9 13
 8 12 8 8 10 15 7 6 8 8
 5 6 9 7 4 8 7 5 5 14

Clas	frecuencia	Fr	f	x	f %
[5-7)	11	0.27	11	6	27 %
[7-9)	12	0.3	23	8	30 %
[9-11)	9	0.22	32	10	22 %
[11-13)	4	0.1	36	12	10 %
[13-15)	4	0.1	40	14	10 %
	40	0.99			99 %

Rango

$$R = x_{\max} - x_{\min}$$

$$R = 15 - 5 = 10$$

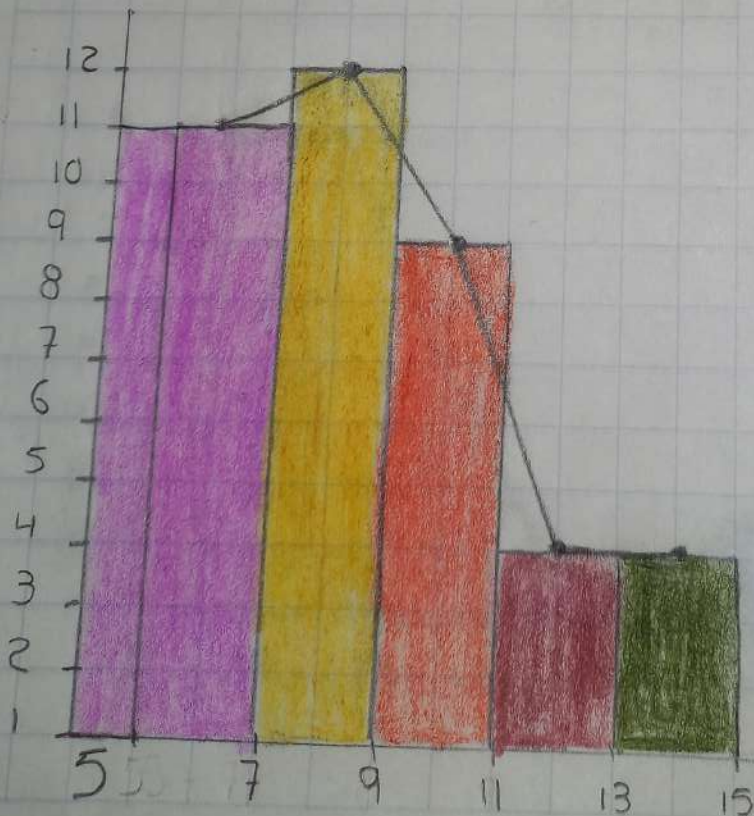
K = intervalo

$$K = 1 + 3.322 \log 40$$

$$K = 6.32 = 6$$

Amplitud

$$A = \frac{R}{K} = \frac{10}{6} = 1.6 = 2$$



Ejercicio 2.

15 38 14 13 29 25
 20 13 16 32 44 39
 45 46 19 23 24 18
 19 20 21 18 25 33
 13 18 22 24 27 27

clase	Frecuencia	fr.	F	X	fr %
[13 - 19)	9	0.3	9	16	30 %
[19 - 25)	9	0.3	18	22	30 %
[25 - 31)	5	0.16	23	28	16 %
[31 - 37)	2	0.06	25	34	6 %
[37 - 43)	2	0.06	27	40	6 %
[43 - 49)	3	0.1	30	46	10 %
	30	0.98			98 %

Rango = max - min

Rango = 46 - 13 = 33

k = intervalo

$k = \frac{1 + 3.322 \log 30}{5.9} = 6$

$k = 5.9 = 6$

Amplitud

$A = \frac{R}{k} = \frac{33}{6} = 5.5 = 6$

