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Ejercicio 1

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1... 6, 13, 8, 14, 9, 5, 4, 11, 2, 12, 7, 3, 10, 11, 5, 10

2, 3, 4, 5, 5, 6, 7, 8, 9, 10, 10, 11, 11, 12, 13

a)

$$a) = 30\% = 2-5$$

$$b) = 75\% = 2-10$$

$$c) = 43\% = 2-6$$

$$D_3 = \frac{3 \cdot 15}{10}$$

$$D_3 = 4.5 \approx \underline{5} \#$$

$$B) Q_3 = \frac{3 \cdot 15}{4}$$

$$Q_3 = 11.25 = \underline{11} \#$$

$$C) P_{43} = \frac{43 \cdot 15}{100} = 6.45 \approx \underline{6} \#$$

Ejercicio 2

64, 64, 70, 73, 74, 55, 58, 69, 66, 75, 55, 73, 50, 47, 51, 80, 77, 79, 66

40, 47, 50, 51, 55, 58, 69, 66, 66, 69, 69, 70, 73, 73, 75, 77, 79, 80

¿Qué porcentaje pesan más de 60 kg

40%

$$Cont = \frac{kn}{c}$$

$$8 = \frac{? \cdot 20}{100}$$

$$\frac{800}{20} = ?$$

$$40 = ?$$

$$75\% = 40 - 73$$

$$P_{75} = \frac{75 \cdot 20}{100}$$

C)

$$28\% = 40 - 55$$

$$P_{28} = \frac{28 \cdot 20}{100}$$

$$P_{75} = \underline{15} \#$$

$$P_{28} = 5.6 = \underline{6}$$

Ejercicio 3

Edades	f_i	F_i
0 - 10	10	10
10 - 20	12	22
20 - 30	15	37
30 - 40	14	51
40 - 50	9	60

a) 15% 0-21

b) 81% 0-39

$$15\% = D_4 = \frac{4 \cdot 60}{10} = 24$$

$$C = 20 + \left(\frac{24 - 22}{15} \right) \cdot 10$$

$$C = 20 + \frac{20}{15} = 21.33$$

$$81\% = p_{81} = \frac{81 \cdot 60}{100} = 48.6 \approx 49$$

$$C = 30 + \left(\frac{44 - 37}{14} \right) \cdot 10$$

$$C = 30 + \left(\frac{12}{14} \cdot 10 \right)$$

$$C = 30 + \frac{120}{14} = 38.57$$