

Ejercicios

1. 2, 3, 4, ^c5, 5, ^b6, 7, 8, 9, 10, 10, 11, 11, 12

a) 30%

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

De 2 a 5

$$D_3 = 4.5 \approx 5\#$$

b) 75%

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

De 2 a 6

$$Q_3 = 11.25 \approx 11\#$$

c) 43%

$$p_{43} = \frac{43 \cdot 15}{100} = 6.45 = 6\#$$

De 2 a 10

2. 40, 41, 50, 51, 55, 58, 64, 66, 66, 69, 69, 70, 73, 73, 75, 74, 77, 79, 80

a) ¿Qué porcentaje pesa más de 60kg?

$$8 = \frac{7 \cdot 20}{100} \quad \frac{800}{20} = ? = 40\%$$

b) 75%

$$P_{75} = \frac{75 \cdot 20}{100} = 15\# \text{ del } 40 \text{ a } 73$$

c) 28%

$$P_{28} = \frac{28 \cdot 20}{100} \quad P_{28} = 5.6 = 6\# = 40 \text{ al } 55$$

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) 40% $D_4 = \frac{4 \cdot 60}{10} = 2.4 = 2\#$

$$c = L_i + \left(\frac{\# - f_i}{f_i} \right) \cdot a$$

$$c = 20 + \left(\frac{21 - 22}{15} \right) \cdot 10 = \frac{320}{15} =$$

$$c = 21.33 \quad d) = 0-21$$

b) 81%

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

$$c = 30 + \left(\frac{49 - 37}{14} \right) \cdot 10$$

$$= 30 + \frac{120}{14} = 38.57\# \quad 0-39$$

