

Q1

50 50 52 53 55 56 56 (56) 56 57 58 58 58 58 59 59.5 - Q2
 60 60 61 63 63 63 63 (63) 64 64 64 65 65 68 68

QK = $\frac{Kn}{4}$ Q1 = $\frac{1(30)}{4} = 7.5$ // $\frac{56+56}{2} = \underline{Q1=56}$ //

Q3 = $\frac{3(30)}{4} = 22.5$ // $\frac{63+63}{2} = \underline{Q3=63}$ //

Posicion = $\frac{Kn}{10}$

D2 = $\frac{Kn}{10} = \frac{2(30)}{10} = 6$ D2 = 56 20% //

D7 = $\frac{7(30)}{10} = 21$ // D7 = 63 70% //

Ejercicio 2. Altura de 13 personas

1.35 - 1.53 - 1.70 - 1.70 - 1.70 - 1.71 - 1.74 - 1.79 - 1.81 - 1.85 - 1.88 - 2.03 - 2.11

$$Q_1 = \frac{1(13)}{4} = 3.25 = \frac{(1.70 + 1.70)}{2} = 1.70 = 25\%$$

$$Q_3 = \frac{3(13)}{4} = 9.75 = \frac{(1.85 + 1.88)}{2} = 1.86 = 75\%$$

$$D_2 = \frac{2(13)}{10} = 2.6 = \frac{(1.53 + 1.70)}{2} = 1.61 = 20\%$$

$$D_7 = \frac{7(13)}{10} = 9.1 = 1.81 = 70\% //$$

X	F	F
44	9	9
45	13	22
49	16	38
53	12	50
54	11	61
55	8	69
56	6	75
57	5	80
total	80	

$$Q_3 = \frac{3(80)}{4} = 60 \text{ position}$$

$$Q_3 = \frac{54}{11} //$$

$$D_5 = \frac{6(80)}{10} = 48 \text{ position} \quad D_5 = \underline{53} //$$

$$D_7 = \frac{7(80)}{10} = 56 \text{ position} \quad D_7 = \underline{54} //$$

$$P_{45} = \frac{45(80)}{100} = 36 \quad P_{45} = \underline{49} //$$

$$P_{73} = \frac{73(80)}{100} = 58.4 \quad P_{73} = \underline{54} //$$