

Datos	f	F
10 - 20	8	8
20 - 30	4	12
30 - 40	12	24
40 - 50	8	32
50 - 60	7	39
60 - 70	3	42
70 - 80	6	48

$n = 48$

$Q_1 = 1.48 = 12$ posicion

$Q_1 = 15 = 30$

$Q_1 = 30$

$Q_2 = 2.48 = 24$

$Q_2 = 28 = 40$

$Q_2 = 40$

$Q_3 = \frac{3.48}{4} = 36$

$Q_3 = 30 + 10 \left(\frac{36 - 32}{39 - 32} \right)$

$Q_3 = 50 + 10 \left(\frac{4}{7} \right)$

$Q_3 = 55.71$

$D_2 = \frac{2.48}{10} = 9.6$

$D_2 = 20 + 10 \left(\frac{9.6 - 8}{12 - 8} \right)$

$D_2 = 20 + 10 \left(\frac{1.6}{4} \right)$

$D_2 = 24$

$D_4 = \frac{4.48}{10} = 19.2$

$D_4 = 30 + 10 \left(\frac{19.2 - 12}{24 - 12} \right)$

$D_4 = 30 + 10 \left(\frac{7.2}{12} \right)$

$D_4 = 36$

$D_6 = \frac{6.48}{10} = 28.8$

$D_6 = 40 + 10 \left(\frac{28.8 - 24}{32 - 24} \right)$

$D_6 = 40 + 10 \left(\frac{4.8}{8} \right)$

$D_6 = 46$

$D_8 = \frac{8.48}{10} = 38.4$

$D_8 = 50 + 10 \left(\frac{38.4 - 32}{39 - 32} \right)$

$D_8 = 50 + 10 \left(\frac{6.4}{7} \right)$

$D_8 = 59.14$

$D_9 = \frac{9.48}{10} = 43.2$

$D_9 = 70 + 10 \left(\frac{43.2 - 42}{48 - 42} \right)$

$D_9 = 70 + 10 \left(\frac{1.2}{6} \right)$

$D_9 = 72$

Carlos Enrique Guillen Bolonios.

$$P_a = \frac{9.48}{100} = 4.32$$

$$P_a = 10 + 10 \left(\frac{4.32}{48} \right)$$

$$P_a = 10.9$$

$$P_{55} = 55.48 = 26.4$$

$$P_{55} = 40 + 10 \left(\frac{26.4 - 24}{32 - 24} \right)$$

$$P_{55} = 40 + 10 \left(\frac{2.4}{8} \right)$$

$$P_{55} = 43.$$

$$P_{64} = \frac{69.48}{100} = 33.12$$

$$P_{64} = 50 + 10 \left(\frac{33.12 - 32}{39 - 32} \right)$$

$$P_{64} = 50 + 10 \left(\frac{1.12}{7} \right)$$

$$P_{64} = 51.6$$

$$P_{72} = \frac{72.48}{100} = 34.56$$

$$P_{72} = 50 + 10 \left(\frac{34.56 - 32}{39 - 32} \right)$$

$$P_{72} = 50 + 10 \left(\frac{2.56}{7} \right)$$

$$P_{72} = 53.65.$$