

Unidad III América Nahil Espinosa Cruz.

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

a)  $D_3 = \frac{3 \cdot 15}{10} = 4.5 = 5$       $\boxed{30\% = 2-5}$

b)  $Q_3 = \frac{3-15}{4} = 11.25 = 11$       $\boxed{75\% = 2-10}$

c)  $P_{43} = \frac{43-15}{100} = 6.45 = 6$       $\boxed{43\% = 2-6}$

② 40, 47, 50, 51, 55, 55, 58, 64, 66, 66, 69, 69, 70, 73, 73, 74, 75, 77, 79, 80

d)  $\text{cuantil} = \frac{k \cdot n}{c}$       $8 = \frac{x-20}{100}$       $\frac{8-100}{20} = x$       $y = 40\%$

e)  $P_{75} = \frac{75 \cdot 20}{100} = 15$       $\boxed{75\% = 40-73}$

f)  $P_{28} = \frac{28 \cdot 20}{100} = 5.6 = 6$       $\boxed{28\% = 40-55}$

③ g)  $40\% = D_4 = \frac{4 \cdot 60}{10} = 24$       $\boxed{40\% = 0-21}$

$c = Li + \frac{(H - Fi - 1) \cdot a}{fi}$       $c = 20 + \left(\frac{24-22}{15}\right) \cdot 10$

h)  $81\% = P_{81} = \frac{81 \cdot 60}{100} = 48.6 = 49$       $\boxed{81\% = 0-39}$

$c = 30 + \left(\frac{49-37}{14}\right) \cdot 10$       $c = 38.57$