

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

a) 30% = 2-5

$$D_3 = \frac{3-15}{10} \quad D_3 = 4.5 = 5$$

b) 75% = 2-10

$$Q_3 = \frac{3-15}{4} \quad Q_3 = 11.25 = 11$$

c) 43% = 2-6

$$P_{43} = \frac{43-15}{100} \quad P_{43} = 6.45 = 6$$

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

a) $\text{Cumul} = \frac{Kn}{C} \quad 8 = \frac{2-20}{100} \quad \frac{8 \times 100}{20} \quad \frac{80}{20} = 40\%$

b) 75 = 40-75

$$P_{75} = \frac{75-20}{100} = P_{75} = \frac{1500}{100} = 15$$

c) 28% = 40-55

$$P_{28} = \frac{28-20}{100} = P_{28} = \frac{560}{100} = 5.6 = 6$$

3.. a) 40% = 0-21

$$40\% = P_4 = \frac{4 \cdot 60}{10} = 24$$

$$C = 20 + \left(\frac{24-26}{15} \right) 10 = C = \frac{20+20}{15} = 21.33$$

B) 817. =

$$817. \Rightarrow P_{81} = \frac{81 \cdot 60}{160} \quad P_{81} = 48.6 = 49$$

$$C = 30 + \left(\frac{49 - 37}{14} \right) 10 \quad C = 30 + \left(\frac{12}{14} \cdot 10 \right)$$

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