

$$Q_1 = 25\% \quad | \quad Q_2 = 50\% \quad | \quad Q_3 = 75\%$$

7- a) 25% ~~Q1~~

$$816/2 = 408$$

$$816/4 = 204$$

$$Q_1 = 16 + \frac{204 - 305}{219} \cdot 4$$

$$Q_1 = 16 + \left( \frac{-101}{219} \right) \cdot 4$$

$$Q_1 = 16 + \left( \frac{-404}{219} \right)$$

$$Q_1 \approx 16 + (-2) = \boxed{14 \text{ pontos}}$$

$$b) Q_3 = 16 + \frac{612 - 305}{219} \cdot 4$$

$$Q_3 \approx 16 + \frac{307}{219} \cdot 4$$

$$204.3 = 612$$

$$Q_3 = 16 + \frac{1228}{219}$$

$$Q_3 = 16 + 6 \approx \boxed{22 \text{ pontos}}$$

$$C) D_1 = 16 + \frac{81,6 - 305}{219} \cdot 4$$

$$\left. \begin{array}{l} 81,6 : 81,6 \\ 10 \end{array} \right\} D_1 = 16 + \left( \frac{-223,4}{219} \right) \cdot 4$$

$$D_1 = 16 + \left( \frac{-8.436}{219} \right)$$

$$D_1 \approx 16 + (-4)$$

$$D_1 \approx 12 \text{ pontos}$$

$$D) D_9 = 16 + \frac{734,4 - 305}{219} \cdot 4$$

$$\left. \begin{array}{l} 81,6 \\ \times 9 \end{array} \right\} D_9 = 16 + \left( \frac{929,4}{219} \right) \cdot 4$$

$$D_9 = 16 + \frac{1711,6}{219}$$

$$D_9 = 16 + 8$$

$$D_9 = 24 \text{ pontos}$$

$$e) P_1 = 16 + \frac{8,16 - 305}{219} \cdot 4$$

$$\textcircled{816/100} \quad P_1 = 16 + \left( \frac{-296,84}{219} \right) \cdot 4$$

$$P_1 = 16 + \left( \frac{-1187,36}{219} \right)$$

$$P_1 = 16 - 5 = \boxed{11 \text{ pontos}}$$

$$d) P_{95} = 16 + \frac{775,2 - 305}{219} \cdot 4$$

$$\textcircled{95 \times 8,16} \quad P_{95} = 16 + \frac{470,2}{219} \cdot 4$$

$$P_{95} = 16 + \frac{1880,8}{219}$$

$$P_{95} \approx 16 + 9 \approx \boxed{25 \text{ pontos}}$$