

Example to Create a box plot.

Data Set: 5, 6, 8, 4, 3, 7, 8, 7, 4, 4

① #s in order: 3, 4, 4, 4, 5, 6, 7, 7, 8, 8

② Median: 3 4 4 4 5 | 6 7 7 8 8

(Q2) So median is 5.5 $5+6=11$
 $11 \div 2 = 5.5$

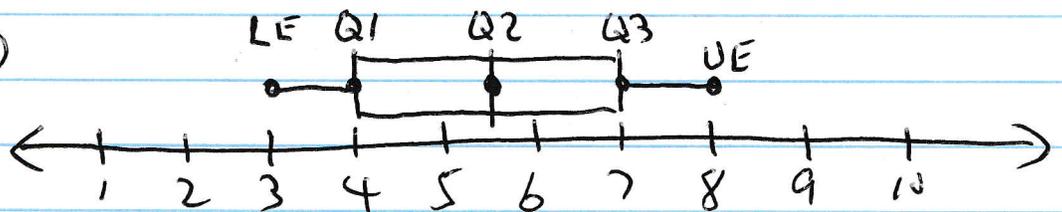
③ LE = 3

④ UE = 8

⑤ Q1 = 4 3 4 4 4 8 (lower half)

⑥ Q3 = 7 6 7 7 8 8 (upper half)

⑦ + ⑧



$$\begin{aligned} \textcircled{9} \text{ IQR} &= Q3 - Q1 \\ &= 7 - 4 \\ &= \boxed{3} \end{aligned}$$