

# Box and Whisker Plots

Steps:

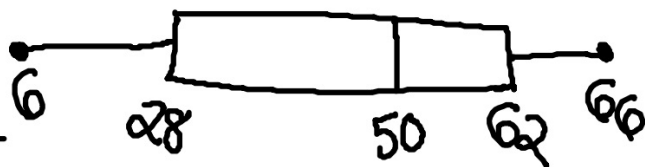
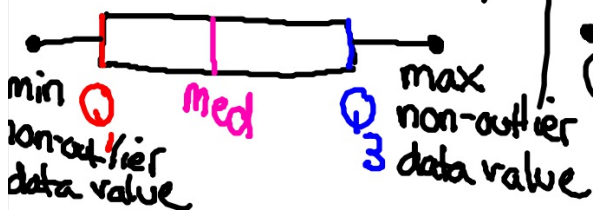
- ① Write down data in numerical order
- ② Identify median, lower quartile, and upper quartile
- ③ Find IQR and identify any outliers
- ④ Construct box and whisker plot

ex  $6, 27, \boxed{28}, 42, 45, \boxed{50}, 50, 61, \boxed{62}, 64, 66$

median = 50     $Q_1 = 28$      $Q_3 = 62$

$IQR = Q_3 - Q_1 = 62 - 28 = 34$

$Q_1 - 1.5(IQR)$      $Q_3 + 1.5(IQR)$   
 $28 - 1.5(34) = -23$      $62 + 1.5(34) = 113$



ex

