

Activity:

2203A62122

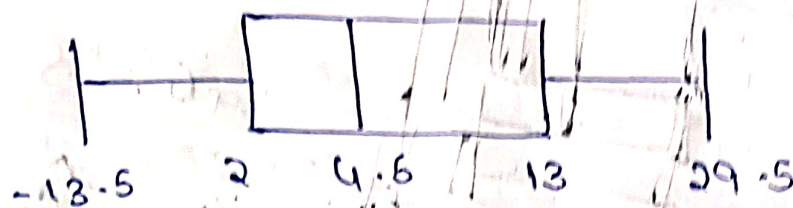
Batch: 22

1) $X = 1, 2, 3, 4, 5, 12, 13, 76$

$Q_2 = 4.5, Q_1 = 2, Q_3 = 13$

$IQR = 11$

$w_1 = -13.5, w_2 = 29.5$



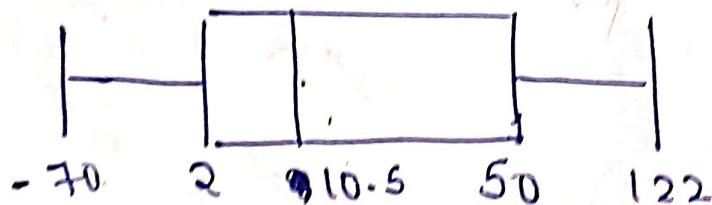
Outliers: 76

2) $Y = 2, 5, 56, 23, 13, 1, 9, 50$

$Q_2 = 10.5, Q_1 = 2, Q_3 = 50$

$IQR = 48$

$w_1 = -70, w_2 = 122$



No outliers

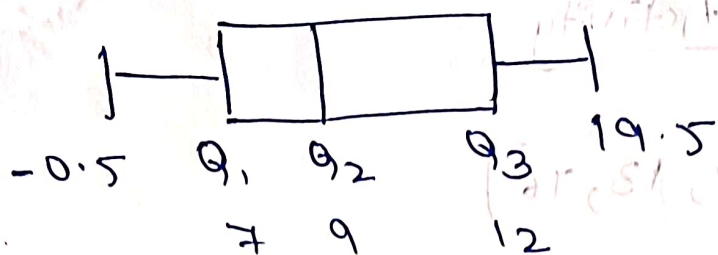
3) $A = 9, 8, 6, 7, 24, 12, 12$

$\rightarrow 6, 7, 9, 9, 12, 12, 24$

$Q_2 = 9, Q_1 = 7, Q_3 = 12$

$IQR = 5$

$w_1 = -0.5, w_2 = 19.5$



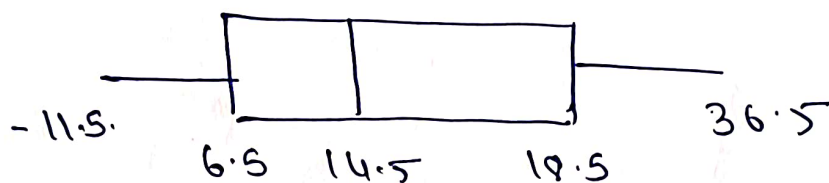
$$\text{outlier} = 34 - 1.5 \times 12 = 34 - 18 = 16$$

$$B = [12, 13, 16, 1, 18, 19]$$

$$1, 12, 13, 16, 18, 19$$

$$Q_2 = 14.5 \quad Q_1 = 6.5 \quad Q_3 = 18.5 \quad IQR = 12$$

$$w_1 = -11.5 \quad w_2 = 36.5$$

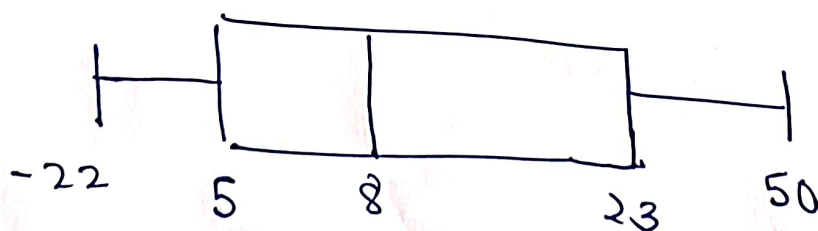


$$C = [12, 78, 3, 7, 8, 23]$$

$$\rightarrow 3, 6, 7, 8, 12, 23, 78$$

$$Q_2 = 8 \quad Q_1 = 5 \quad Q_3 = 23 \quad IQR = 18$$

$$w_1 = -22 \quad w_2 = 50$$



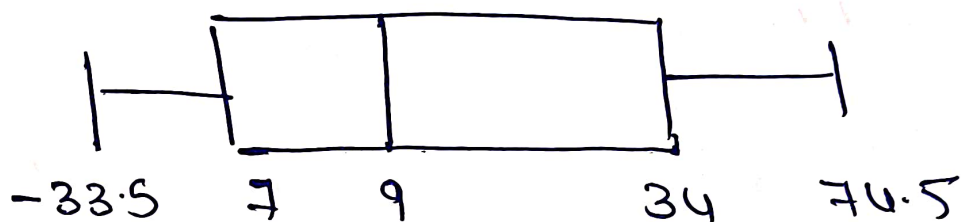
$$\text{Outlier} = 78$$

$$O = [34, 6, 7, 8, 9, 90, 23]$$

$$\rightarrow 6, 7, 8, 9, 23, 34, 90$$

$$Q_2 = 9 \quad Q_1 = 7 \quad Q_3 = 34 \quad IQR = 27$$

$$\omega_1 = -33.5 \quad \omega_2 = 74.5$$



Outlier = 90