

"On my honor, I have neither given nor received any unauthorized and/or inappropriate assistance for all sessions of this exam. The work done on this exam is totally my own. I understand that by the school, violation of these principles will lead to a zero grade and is subject to harsh discipline issues."

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Session 1.1

8 students: 152 234 144 154 124 158 147 146
 in order \rightarrow 124 144 146 147 152 154 158 234

$$\frac{4+5}{2} = \rightarrow \text{median}$$

$$\frac{147+152}{2} = 149.5 \quad \text{mean}$$

$$Q_1 = 145$$

$$M = 149.5$$

$$Q_3 = 156$$

$$IQR = 12$$

$$\text{Lower F} = Q_1 - 1.5(IQR) = 145 - 18 = 127$$

$$\text{Upper F} = Q_3 + 1.5(IQR) = 156 + 18 = 174$$

$$0.25$$

$$\left(\frac{4+1}{2} \right)$$

a) $Q_1 = 145$

b) $Q_3 = 156$

c) $IQR = 156 - 145 = 11$

d) 127

e) 174

$$Q_1 = .25(n+1)$$

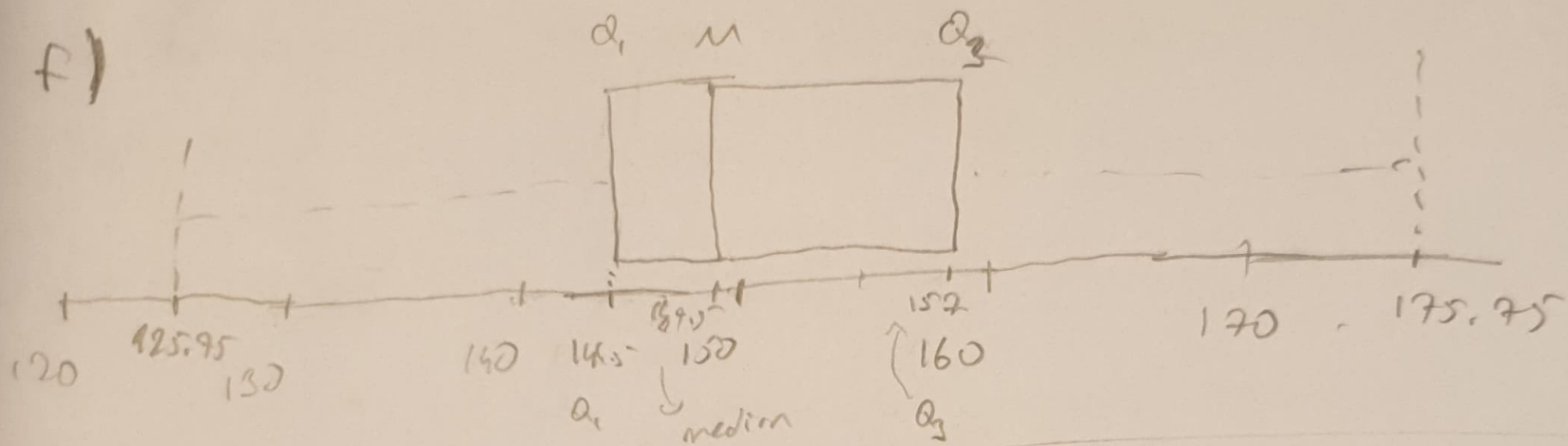
$$Q_3 = .75(n+1)$$

$$\frac{3.4+1}{2}$$

$$\frac{15+1}{2}$$

$$\frac{15.3+1}{2}$$

f)



g) Yes there are 2 outliers which are 124 and 239.

They go above and below the fences which are

125.95 and 175.75.