

deviations		
X	$(x-\mu)$	$(x-\mu)^2$
10	-5	25
14	-1	1
15	0	0
21	6	36
		62

$$\sigma^2 = \text{average of the squared deviations} = \frac{62}{4} = 15.5$$

More about the 5 number summary

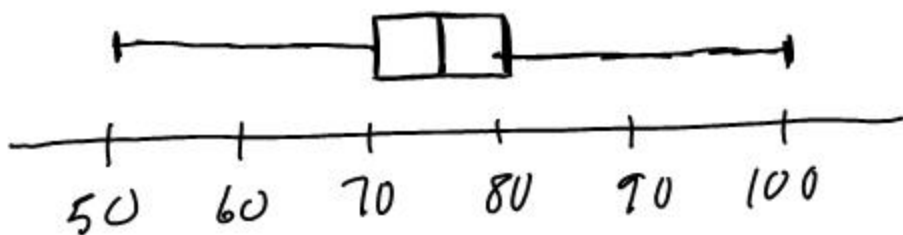
Ex. min: 50 "Box & whisker plot"

Q1: 70

Q2: 75

Q3: 80

max: 100



lower quartile = Q_1
upper quartile = Q_3

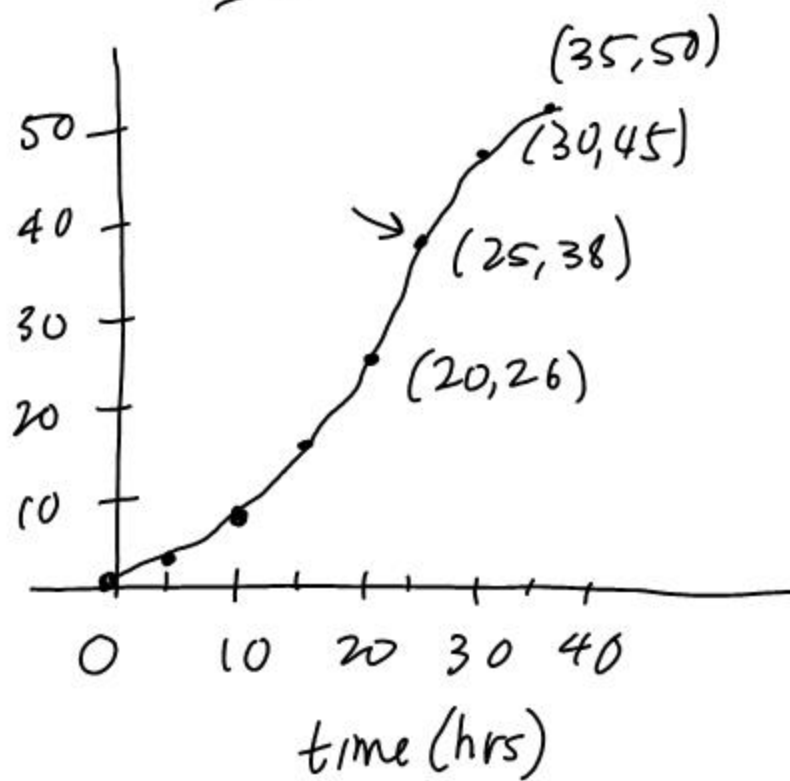
8F #1, 3, 4

Cumulative Frequency

Time	freq.
$0 \leq h < 5$	3
$5 \leq h < 10$	5 8
$10 \leq h < 15$	8 16
$15 \leq h < 20$	10 26
$20 \leq h < 25$	12 38
$25 \leq h < 30$	7 45
$30 \leq h < 35$	5 50

(a) How many data values do we have?
50

Cumulative frequency



HW $\boxed{8F}$ #1, 3, 4

$\boxed{8G}$ #3 on graph paper
#6
