

#6 on p. 286

$$\bar{X} = 2.73$$

$$\sigma = 1.34$$

$$\bar{X} + \sigma = 4.07 \leftarrow \text{one standard deviation above the mean}$$

(d)  $15 + 8 = \underline{23 \text{ houses}}$

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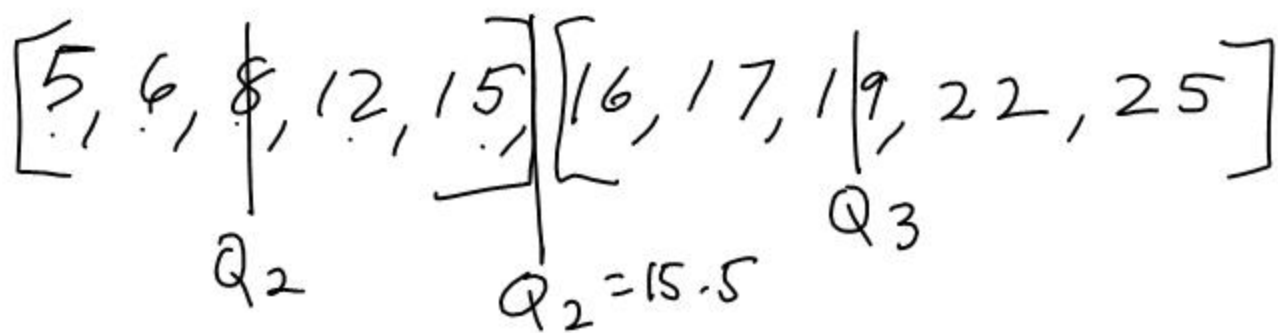
#7 modal class  $45 \leq t < 60$

How many people used more than  $\bar{X} + \sigma$  minutes? (approximately)

$$\bar{X} + \sigma = 64.0$$

$$\approx 18 + 11 = 29$$

Give the 5-number summary:



Min: 5

$$\frac{10+1}{2} = 5.5$$

$Q_1: 8$

$Q_2: 15.5$

• Interquartile

range (IQR)  $19 - 8 = 11$

$Q_3: 19$

Max: 25

• range:  $25 - 5 = 20$



Min: 1

$3.5$

$Q_2$

$Q_3 = 12.5$

$$\frac{9+1}{2} = 5$$

$Q_1: 3.5$

$Q_2: 9$

$Q_3: 12.5$

Max: 14

Classwork quiz 10-23

p. 266 # 2

tracks	7	8	9	10	11	12	13
# of CDs	3	2	2	1	3	5	3

- 1) How many CDs in the collection?
- 2) Find the mean number of tracks.
- 3) Find the standard deviation of the number of tracks.
- 4) Find the mode for the number of tracks.
- 5) Give the 5-number summary.  
Label each value.

HW ~~7~~  
p. 281 # 1-5, 7

Thursday: ~~1~~ review

Monday 10-29 TEST