1) measure of center - shows center of data
measure of spread - shows how spread out data is

MOC - Mean, Median, mode
MOS - Range, IQR

2) Unbiased - represents population, random
biased - data leans in certain direction

3) Mean: 24.75, Median: 26, Mode: None, Range: 55

4) 157,500 people

5) 100 people

6) 172 students

7) Not Valid - Convenience Sample

8) 291 students

9) Danielle has a higher moc
Katie has a greater MOS

10) SKIP

11) 45

12) State B has a higher median

B) D

14) C

15) D

16. Use the table provided to create box plots. Does this data suggest any differences in the cab ride times compared to car ride times? Create box plots and compute and compare the minimums, medians, and maximums to support your answer.

Cab times (min)	Car times (min)
14	12
18	10
16	13
22	14
25	9
12	17
28	11
16	10
15	8
18	11

Cab times: 12, 14, 15, 16, 16, 18, 18, 22, 25, 28

min: 12

max: 28

Q_2: 17

Q_1: 15

Q_3: 22

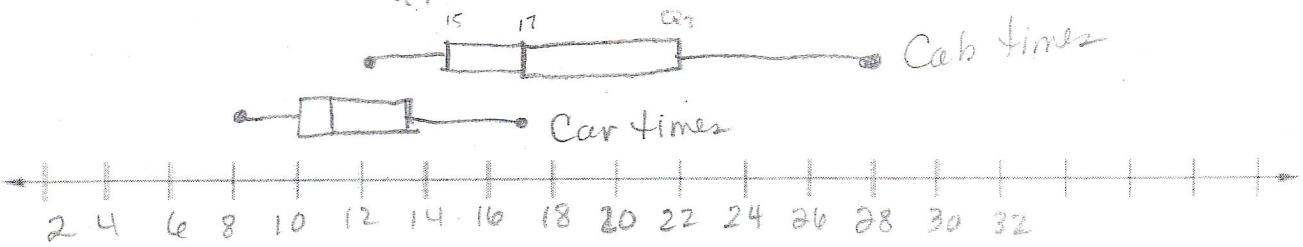
Car times: 8, 9, 10, 10, 11, 11, 12, 13, 14, 17

min: 8 $Q_3 = 13$

max 17

Q_2: 11

Q_1 = 10



Min - Cab times/higher min

medians - Cab times/higher median

Max: Cab times higher max

Cab times take longer in general & have more variation.

COMMONCORE