

4-17-17

Aim: SWBAT review statistics.

Do Now: Find the MAD.

5, 6, 4, 2, 3

HW: Quiz tomorrow

Do Now: Find the MAD.

5, 6, 4, 2, 3

Mean: $\frac{5+6+4+2+3}{5} \rightarrow \frac{20}{5} \rightarrow 4$

Mean of the
Deviations

$$\frac{1+2+0+2+1}{5} \rightarrow \frac{6}{5} \rightarrow 1.2$$

Deviations

1, 2, 0, -2, -1

Pg. 656 # 3 and 5

(In dollars)

- ③ ~~67~~, ~~53~~, ~~41~~, ~~33~~, ~~52~~, ~~28~~, ~~70~~, ~~56~~, ~~54~~, ~~48~~, ~~63~~, ~~72~~, ~~44~~, ~~54~~, ~~62~~



Minimum: 28

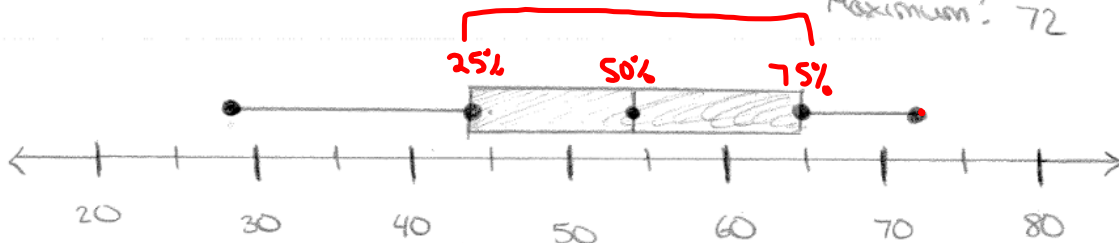
Median: 54

Upper Quartile: 65

Lower Quartile: 44

IQR

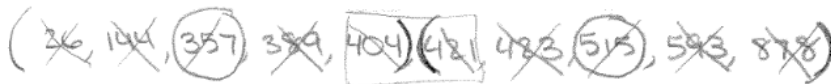
Maximum: 72



$$IQR = 65 - 44 = 21$$

- ⑤ (In meters)

- ~~26~~, ~~389~~, ~~878~~, ~~144~~, ~~515~~, ~~404~~, ~~423~~, ~~357~~, ~~421~~, ~~593~~



$$\frac{404 + 421}{2} = 412.5$$

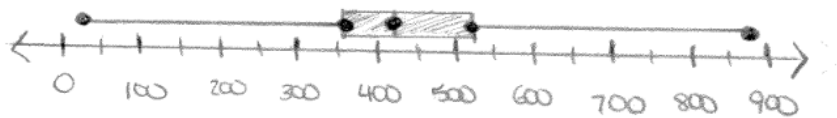
Minimum: 26

Median: 412.5

Upper Quartile: 515

Lower Quartile: 357

Maximum: 878



Population = 1000

Food

Italian	50
Chinese	30
American	20



100 people → sample

$$\frac{50}{100} = \frac{x}{1000}$$