

Mean

Standard
Deviation

Mode

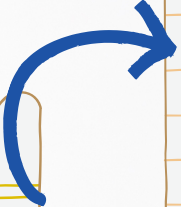
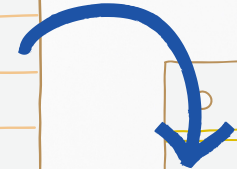
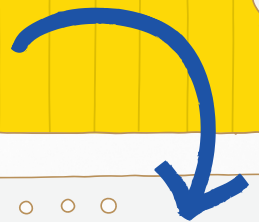
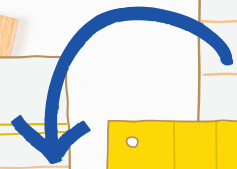
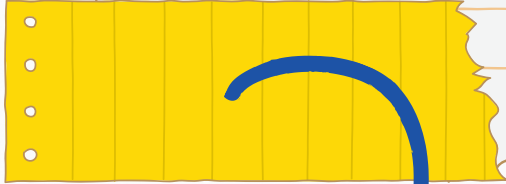
Calculation
Ungrouped
Data

Median

Mean
Deviation

Variance

C



MEAN

- Mean is the average
- Formula of mean $\bar{x} = \frac{\sum x}{n}$
- Add up all the values to find a total, then divide the total by the number of values.

Given the points earned from
Eastern Mall ;

5,3,6,2,1,8,1,3,2,1 .

Find the mean of the points
earned

$$\bar{x} = \Sigma x/n$$

$$\bar{x} = (5+3+6+2+1+8+2+2+3+2+1)/11$$

$$\bar{x} = 3.182$$

MEDIAN

- Median is the "middle" value in the list of numbers.
- To find the median, your numbers must be arranged by ascending orders.
- You need to sort the list first.

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MEDIAN - ODD NUMBER VALUE

Find the median for 1,5,2,8,7

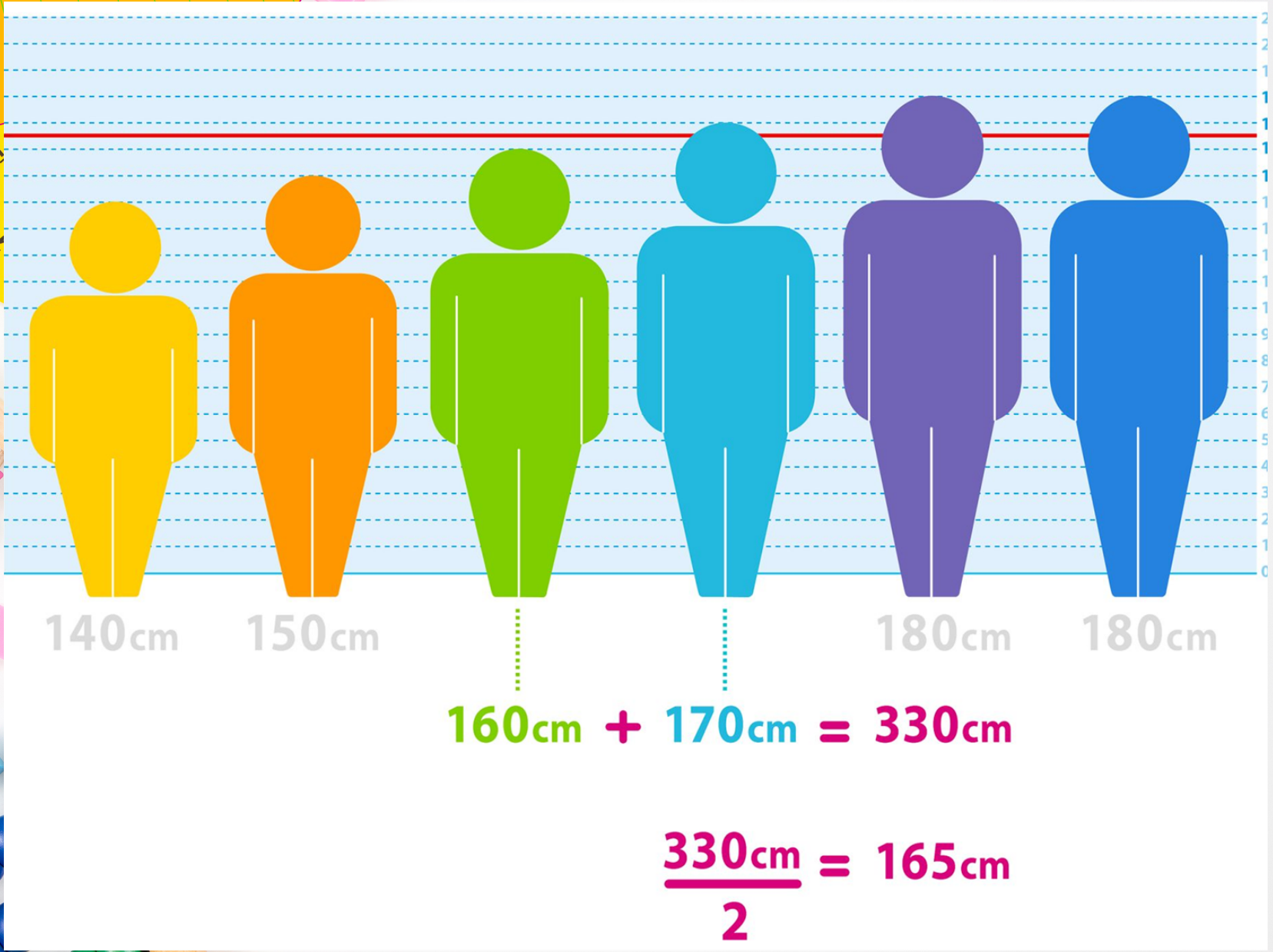
- Arrange in ascending order :
1,2,5,7,8
- The median is number 5

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MEDIAN – EVEN NUMBER VALUE

Find the median for 1,5,2,10,8,7

- Arrange in ascending order :
 $1, 2, 5, 7, 8, 10$
- The median is the average between 5 and 7
- Median $= (5+7)/2 = 6$



MODE

- Mode is the value that occurs most often.
- If no number is repeated, then there is no mode for the list.

Find the mode for this set of number :

13, 18, 13, 14, 13, 16, 14, 21, 13

- Arrange in ascending order:
13, 13, 13, 13, 14, 14, 16, 18, 21
- The mode is number **13**