## Average

1) Anotherenem = sum of obs tot no. of olos

Ex: suppose four obs une given {50, 55, 70, 85} find Am.

Au 260/4 = (65)

Propie des: en if each dosernation is increased on diemend by x, then their average is also surprehively inversed on decreased by x.

If each of the given elements is multiplied by it, then any will also be multiplied by it.

- observation is  $\bar{x} = \frac{n_1 \bar{x}_1 + n_2 \bar{x}_2}{m_1 m_2}$ ; nenzel
- 2) Geometric Mean (Gm) is not of product of ur wampers,

3 Ff 2, 2, ..., xm are 'n'elements, Then 4m= MX,x2...xm

3) median ex1: 10,15,12, 3,65,65. What is the median?

(4) Mode: The most frequently appearing value in set of observation.

Variance and Standard division 2 Variance =  $\frac{1}{n}$   $\mathcal{E}$  (  $\mathcal{R}i - Mean$ )  $s - d = \sqrt{Variance}$ 

## Excircise:

- 1) The average marks of there but dus of students Laving 70,80 and 50 students propertiedly are 60,50 and 46. The augments of all 200 students taken together is

  (a) 51.5 (b) 52 (c) 52.5 (d) 53
- (a) 18 (6)35 (c)28 (d)14

  (b) 18 (b)35 (c)28 (d)14

  (b) 18 (b)35 (c)28 (d)14

  (c) 28 (d) 14 (d) 14 (d) 15 (d) 14 (d) 15 (d) 15 (d) 15 (d) 15 (d) 16 (
- Tou change only one observation from a set of 10 of the following will definitely change ?

  (a) Mean (b) Median (c) Mode (d) Std deviation
- H) Of the shore nois, the aug of first and count is greater than the aug of the seemed and third by 20. What is the difference between first and third of three numbers?

  (a) 15 (6) 20 (c) 30 (d) 40
- (3) For a set of observations 1, 3, 5, 7 culturale variance.
  (4) 4 (5) 16 (c) 2 (2) 5.

## (A) 4 (5) 16 (C) 2 (D) 5

set a, b, c be three was

双: 45

72 = 5th

(a) There is one error.
(b) There are two errors.
(c) There are more than two errors.
(d) No errors. 36. I loved the dog but my father told me that we won't keeping it. (won't be keeping)
(a) There is one error.
(b) There are two errors.
(c) There are more than two errors.
(d) No errors. 37. "Will you marry me?" he asked me as we both eat our lunch. (ate) (a) There is one error.(b) There are two errors.(c) There are more than two errors.(d) No errors. **38.** A beast is an aggressive creature by nature. It is a hard fact of life and undeniable. nd answer accord-tion. (a) There is one error.
(b) There are two errors.
(c) There are more than two errors.
(d) No errors. r than his elder nt) 39. Manoj's father is a M.P. He will stand for reelection after  $\underline{\mathbf{a}}$  year. (an, an) (a) There is one error.(b) There are two errors.(c) There are more than two errors. out they can be (d) No errors. 40. The students were advised to follow the instructions to the examiner. (of) (a) There is one error. (b) There are two errors. art. (best) (c) There are more than two errors. (d) No errors.

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49.	Ferocious	(b) punish	
HA	(a) angry (c) shoot	(d) fierce	64.
50.	Finesse	(b) delicate skill	
	(a) smooth (c) final	(d) end	65.
51.	Futile	(b) useless	
	(a) fertile (c) worthy	(d) uncertainty	66
52.	Gainsay		
	(a) deny (c) profit	(b) accept (d) advantage	6'
53.	Garnish		
	(a) grand (c) spoil	(b) smooth (d) decorate	6
54.	Gaudy		
	(a) flashy (c) ill-mannered	(b) introvert (d) extrovert	
55.	Genesis		
	(a) end (c) origin	(b) abolishment (d) attack	
56.	Gibberish		
	(a) nonsense (c) ethical	(b) foreign (d) angry	
57.	Grandeur		
	(a) big (c) path	(b) impressiveness (d) unimpressive	
58.	Gruesome		
	(a) long (c) exhausting	(b) confused (d) horrible	
59.	Havoc		
	(a) disorder (c) passion	(b) order	
		(d) anger	
60.	Hubris		
	(a) chaos (c) arrogance	(b) confused d) crowd	