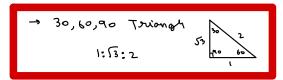
L> compound Interest - Amount = P(1+ B) 4 5% annually compounded quarterly, now R= R/4 t= tx4



LA Multiplus, differed between 2 multiplus is also a multiple. Eg - Il R, K+200, K+350 an multiple of P, what is P

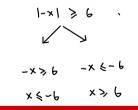
-> Trapezoid area = b,+b2. h

These both should be multiples of P

- Prime number trick, to test it any no. less than loo is a prime, check it it is divisible by any prime numbers less than 10
- Factors of large numbers trick
  - meitasivotop unial O el
  - La @ list all exponents of prime factors
  - 13 3 add I to each

- La Inequality on absolute value
  - -> Express -3 < x < 11 as absolute inequality
    - → Take midpoint -3+11 = 4
    - 1x-41 & (11-4) & right value)
    - 1x-41 & 7
  - -> Sum of ongles in a sided polygon (n-2) ×180
  - -> Diagonals ob on noided polygon U (U-3)





xvetom slowed a

	TURA TYPEB		
Type I	٥	Ь	946
Type 2	د	λ	c+d
	مدر	p+q	0+6+

Sum of multiples in a honge 
$$\Rightarrow$$
 No. of terms = N

 $a_1 \Rightarrow beginning of honge$ 
 $a_N \Rightarrow bash number in honge$ 

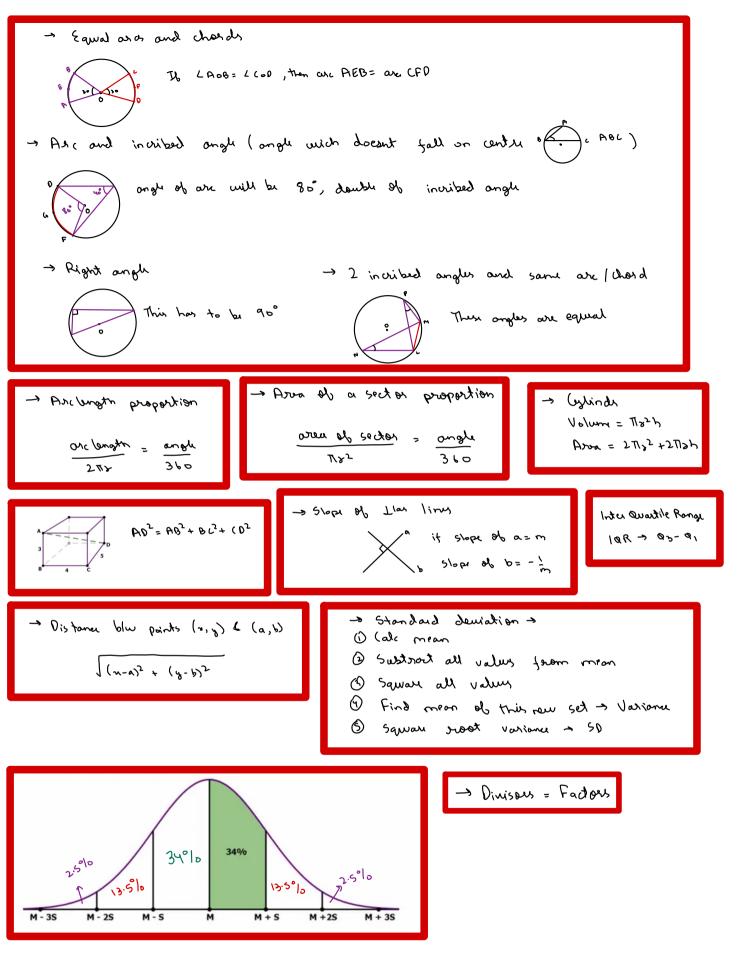
$$\Rightarrow (a_1 + a_N) \times N$$

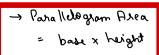
Examples  $\Rightarrow$  Sum of multiples of  $S$  bigger than 100 & less than 200.

 $\Rightarrow$  So  $a_1 = 10S$ 
 $a_1 = 19S$ 
 $a_1 = 19S$ 
 $a_2 = 19S \Rightarrow 19$ 
 $a_3 = 19S \Rightarrow 19$ 
 $a_4 = 19S \Rightarrow 19$ 

-> Repeats every 4, 123904 -> 3, Uncle third no in pattern = 3

 $\rightarrow$  5ct of n items with b identical items  $N = \frac{n!}{b!}$ 





Surface area Rb box = 2(wl + hl + hw)

- y tilonoitrogary + → Directly a= Rb > Inversity a = x
- if  $\frac{a}{b} > \frac{5}{4}$ then 9-5>0 is true but ad > cb is not always true since any of those would be negative and nequire sign Change

→ 7.583 in fraction

→ 7.58 + 0.003

→ 758 + 0.3 × 0.01

→ 759 + 
$$(\frac{1}{3})(\frac{1}{100})$$

→ 759 +  $\frac{1}{300}$  →  $\frac{2275}{300}$ 

→ 91

12

x do viknewag 1 1 % & X

$$\Rightarrow$$
 for how many integer value is
$$f(x) = \frac{\sqrt{x-2}}{x} \quad \text{en defined}$$
when  $x = 0$ 

when x=0 አ<sub>ጉ</sub> ነ X = -1,-1,-3, ... , - 00 INFINITE VALUES

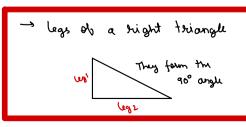
→ 5 is how many fifths of 10

• fifth of → 
$$\frac{x}{5}$$
 $\frac{x}{5} \times 10 = 5$ 
 $x = 2.5$ 

- · Set of all positive number
  - -> multiply all numbers with 1 \$ 50
  - -> Smallest no increased to be median USD
  - → Smallest no. increased to become largest USD 150
  - > Largest number is doubled 150

- Probability Question " at least" > 1-2

-> Phon bus = 11th ogram with 4 equal sides Square = Largest shombus of a given size



## Standard demiation

A: 10,20,30,40,50 } Dis \$ 10 B: 10,30,50,70,90 300 W 20

B has a higher SD