

MATHS SPECIAL



PRE + MAINS

LIVE CLASS (ONE TO ONE INTERACTION)

REGISTRATION OPEN

INCLUDES

- ☐ LIVE Classes
- Result Oriented Approach
- PDF Notes
- Conceptual Clarity

1 YEAR VALIDITY

USEFUL FOR

- ☐ SSC EXAMS
- BANK EXAMS
- ☐ CSAT
- ☐ STATE GOVT. EXAMS

BILINGUAL CONTENT



DOWNLOAD TAIYARI KARO APP TO JOIN THE BATCH

MATHS SYLLABUS



ARITHMATIC:

(SSC/BANK/CUET/CSAT/STATE GOVT)

Time and Work Pipe and Cistern

Percentage
Profit Loss and Discount
Compound Interest
Simple Interest

Average
Ratio and Proportion
Based of Ages
Partnership
Mixture and Alligation

Time Speed And Distance
Train
Race
Boat and Stream

BANK:

Number Series
Quadratic Equation
Simplification
Approximation

Data Interpretation

Mensuration

Permutation Combination Probability

SSC:

Number System LCM + HCF

Surds Indices Algebra

Trigonometry
Height and Distance

Geometry

Mensuration-2D Mensuration-3D

Co-ordinate Geometry



AVERAGE



NUMBERS BASED

NO. OF QUESTIONS

CLASS NUMBER

CLASS DURATION

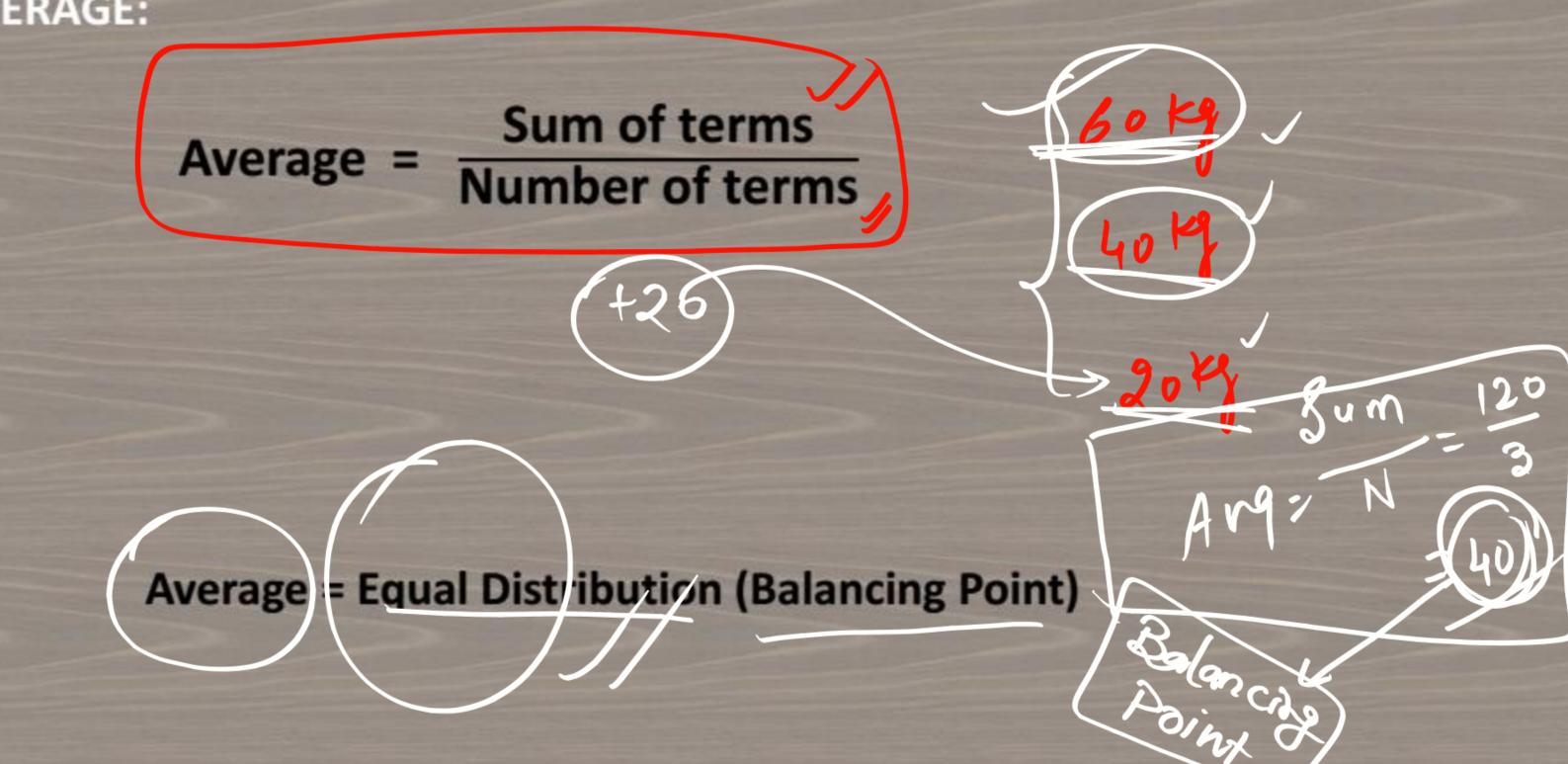
15 Questions

DAY -

1 HOURS



AVERAGE:



MATHS WITH SACHIN BALIYAN SIR



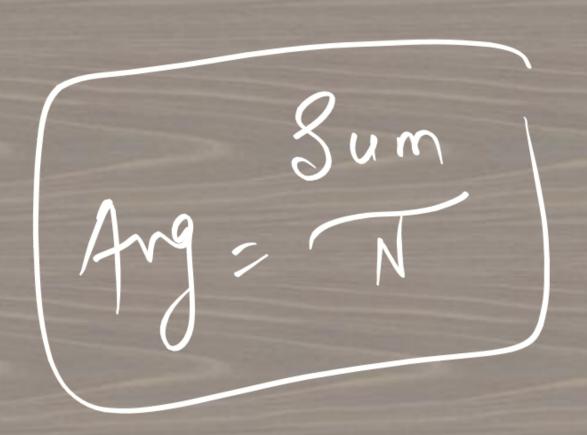
Find the average of 1210, 1220, 1225, 1190, 1230? 1210, 1220, 1225,

1190, 1230 का औसत ज्ञात कीजिए?

(a) 1210 (b) 1215

(c) 1220 (d)1240

(e) None of these



MATHS WITH SACHIN BALIYAN SIR



The average of 1120, 1090, 1030, x, 1050, 1140, 1130 is 1080. Find x? 1120, 1090, 1030, x, 1050, 1140, 1130 का औसत 1080 है। x ज्ञात कीजिए? (a) 1010 (b) 1020 (c)1000

(d) 1050 (e) None of these.

$$Avg = 8um$$
 $6560 + 2$
 $7580 = 6560 + 2$
 $7580 = 6560 + 2$

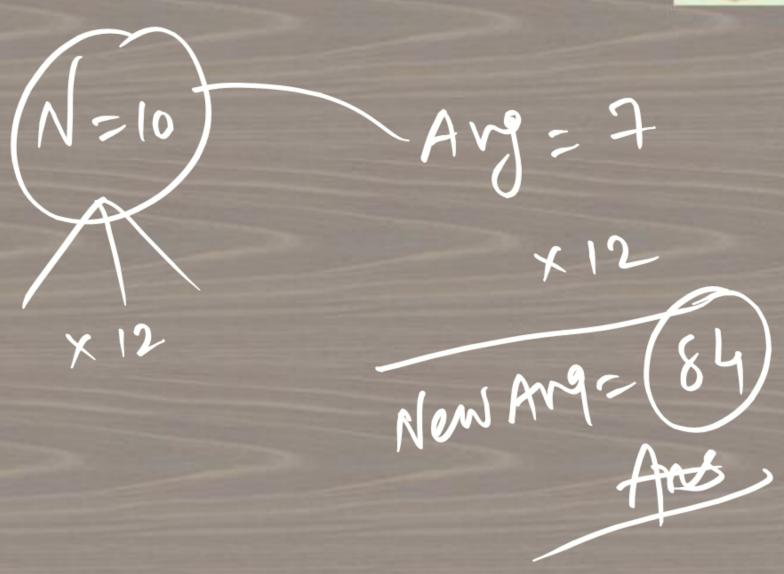
MATHS WITH SACHIN BALIYAN SIR



The average of 10 numbers is 7. If each number is multiplied by 12, then the average of the new set of numbers will be? 10 संख्याओं का औसत 7 है। यदि प्रत्येक संख्या को 12 से गुणा किया जाता है, तो संख्याओं के नए सेट का औसत होगा?

(a) 7 (b) 19 (c)82

(d)84 (e) None of these

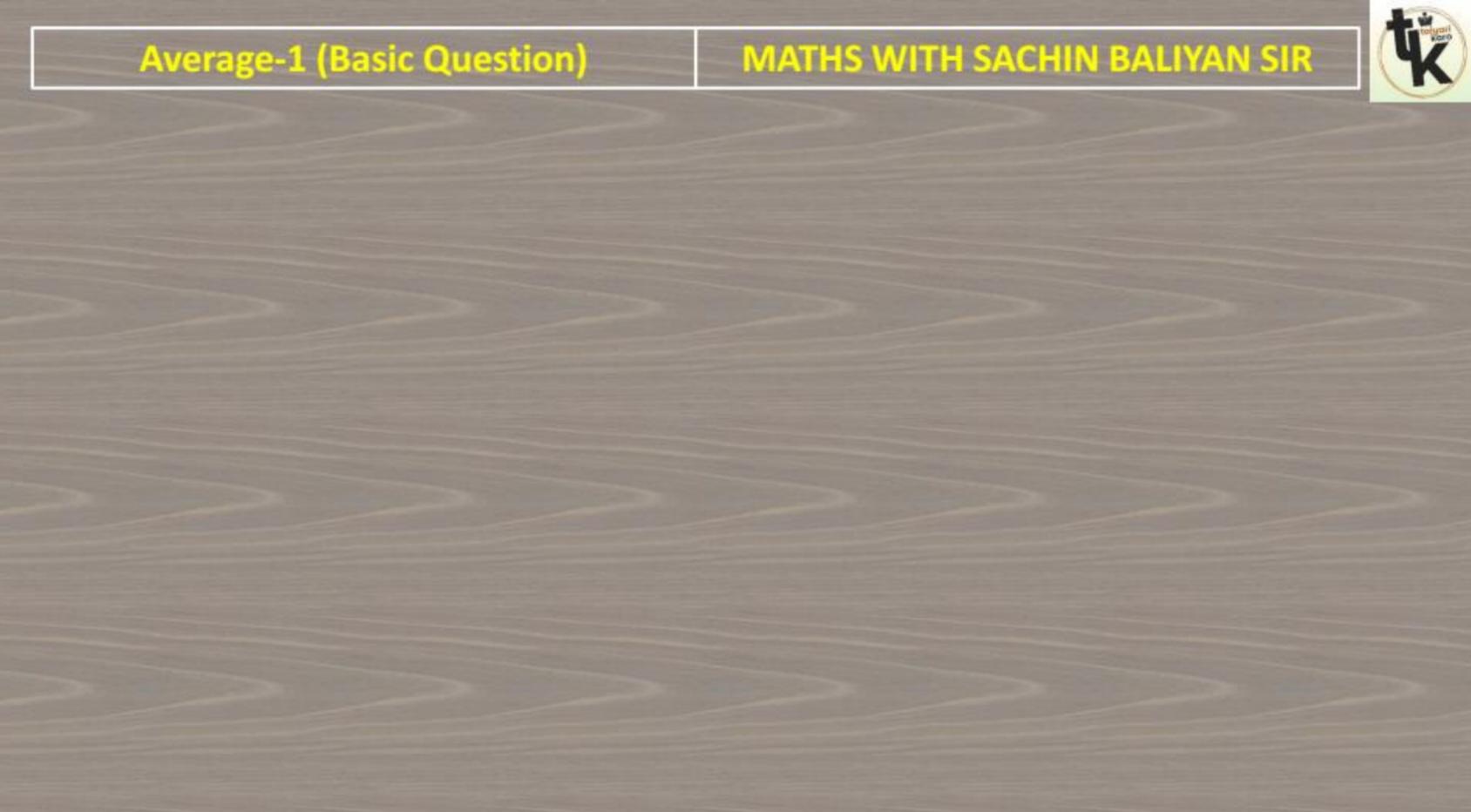


Heach no is

Arg is A 6

HO G'''' = " a"



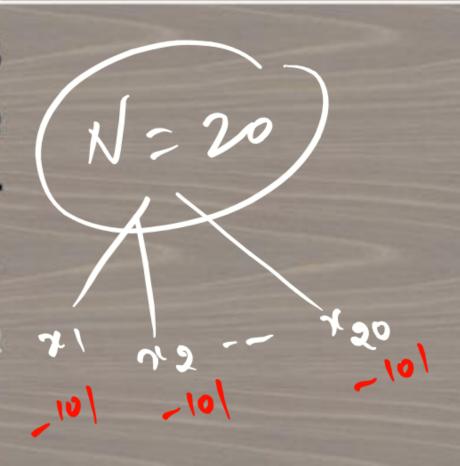


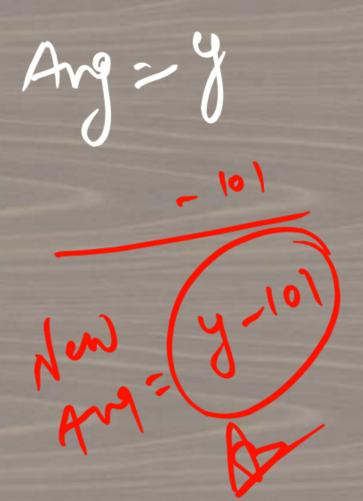
MATHS WITH SACHIN BALIYAN SIR



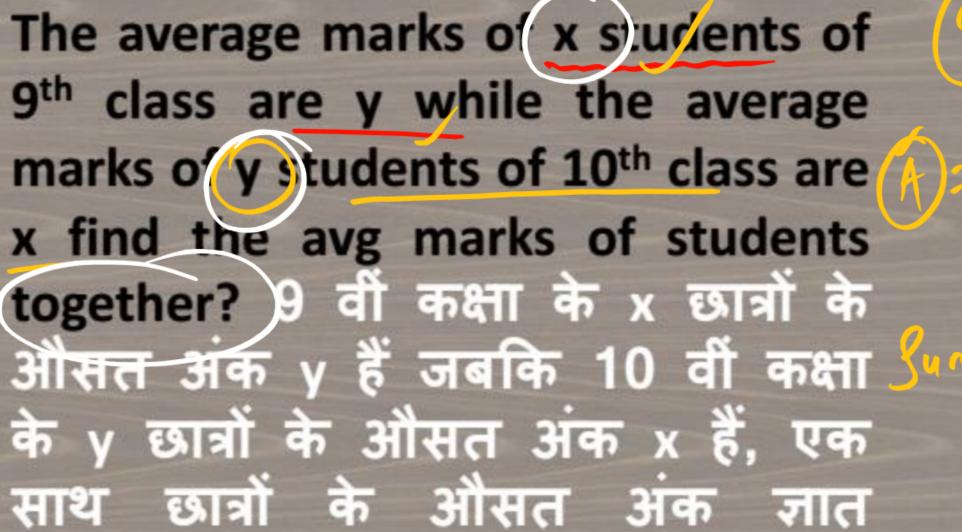
If average of 20 observations x₁,x₂,...x₂₀ is y, then the average of $x_1 - 101$, $x_2 - 101$,...., $x_{20} -$ 101 is ? यदि 20 प्रक्षणो x1, x2,.... x₂₀ का औसत y है, तो x₁-101, x₂ -101,...., x₂₀-101 का औसत है?

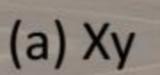
- (a) y-20 (b) y-101
- (c) 20y (d) 101y
- (e) None of these





MATHS WITH SACHIN BALIYAN SIR





कीजिए?

(b)
$$\frac{2xy}{x+y}$$

$$(c) x + y$$

$$(d) x^2$$

(e) None of these.

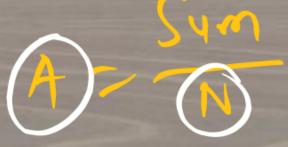


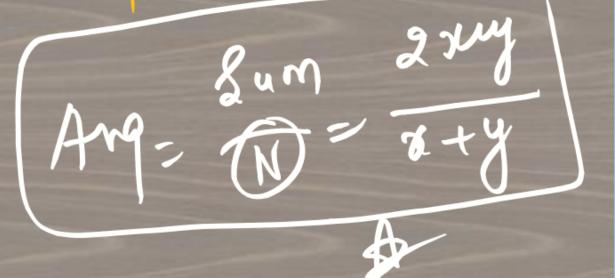
Sum











MATHS WITH SACHIN BALIYAN SIR



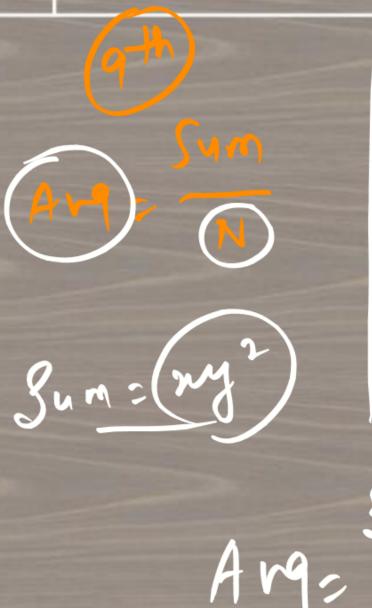
The average marks of 'x' students of 9th class is y2 & average marks of 'y' students of 10th class is x2. Find the average marks of all the students together? 9 वीं कक्षा के 'x' छात्रों के औसत अंक y² हैं और 10 वीं कक्षा के 'y' छात्रों के औसत अंक x² हैं। एक साथ सभी छात्रों के औसत् अंक ज्ञात कीजिए?

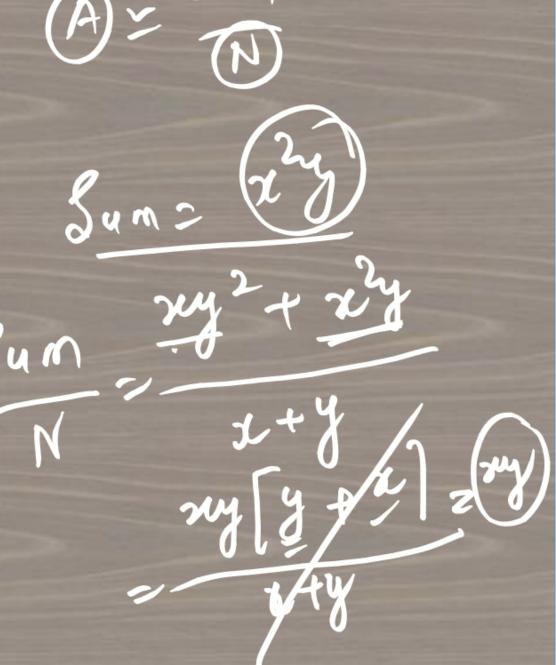
(b)
$$\frac{2xy}{x+y}$$

$$(c) x + y$$

(d)
$$x^2 + xy + y^2$$

(e) None of these





Based on Numbers

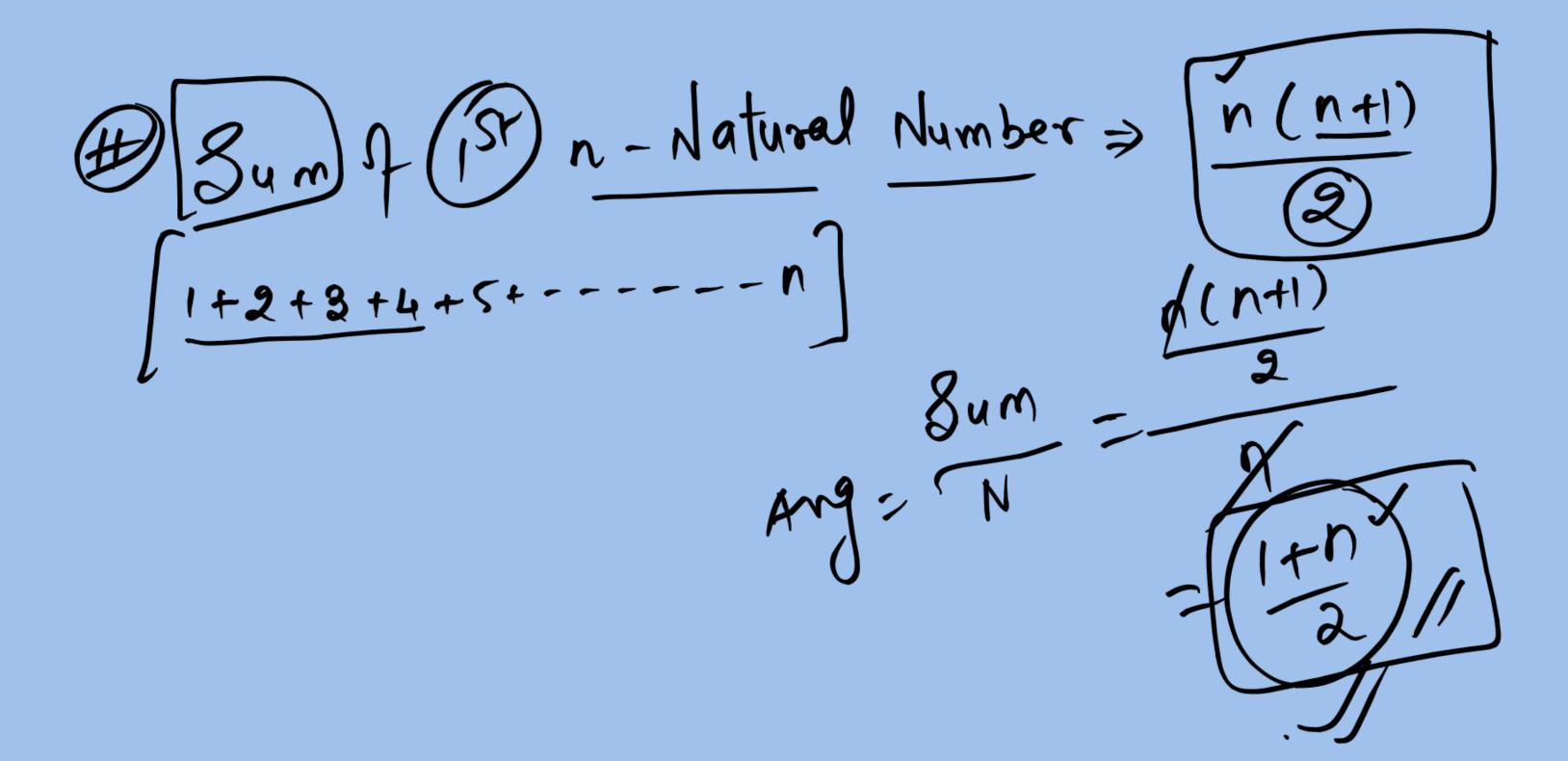
(From Starting)

Average-1 (Basic Question) MATHS WITH SACHIN BALIYAN SIR



find the Average of 1st 50 Natural number ?

Bum 4



Question find the Ang of 1st 100 Natural nos-

Avg = $\frac{1+h}{2}$ $\frac{n=100}{10!}$ $\frac{10!}{8} = \frac{50.5}{10!}$

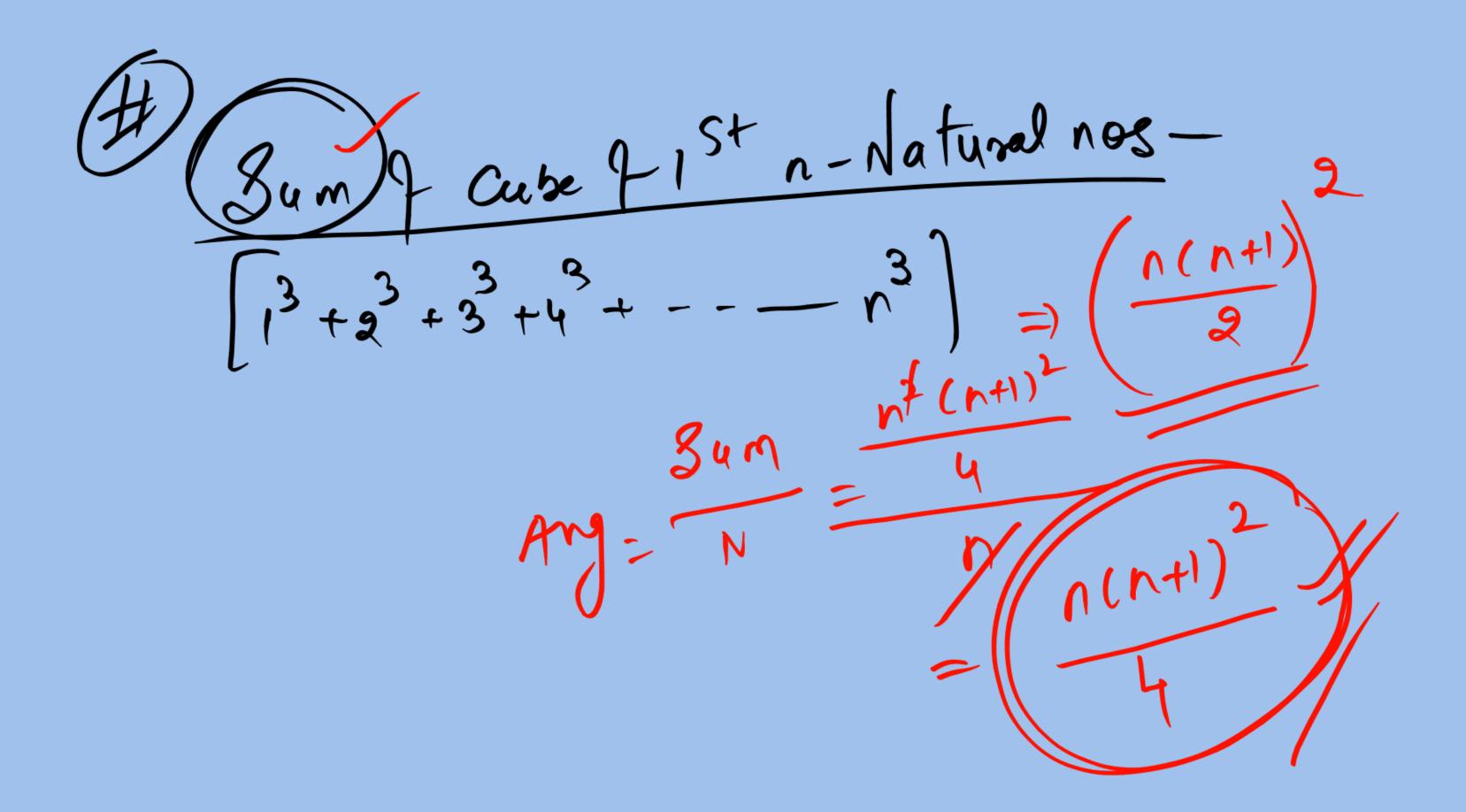
Sum of (ist) n-even nos = n(n+1)

Q. find the Arg of 1St 20 even nos. Ang = (+n)A=21) A3

m p st n-odd Nos

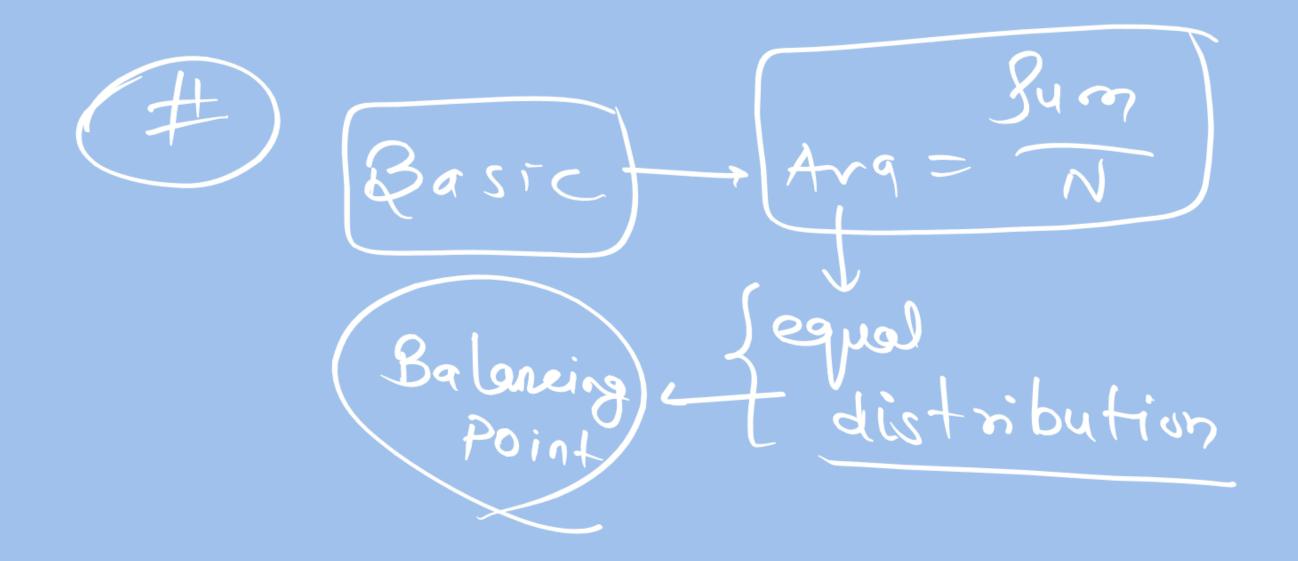
q. find the Ang of 1st (20) odd Numbers Ang = N / ms = 20 /

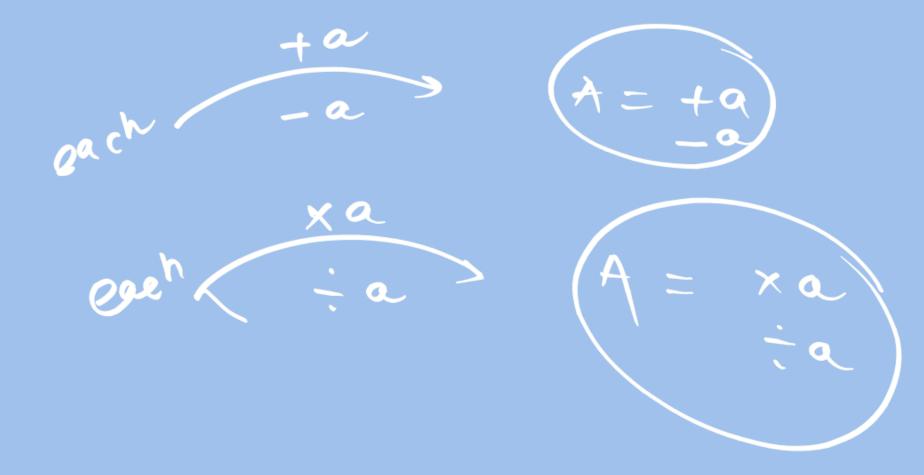
2 Squax & 1st N-Natural nos: (n+1)(2n+1) Q. find the Arg of Squax of 1St 20 Natural
Numbers: $Avg = \frac{(n+1)(2n+1)}{6}$ $121 \times 41 = \frac{287}{3}$ $= \frac{31 \times 41}{8} = \frac{287}{143.5}$ $Avg = \frac{143.5}{4}$



Question find the Arg of cute of 15t20
Natural nos?

Arg = 4 20 x 212





Average Natural = 1tn 2

(n+1)(2n+1)3quare) n (nA)



