MATHS SPECIAL

PRE + MAINS LIVE CLASS (ONE TO ONE INTERACTION)

BILINGUAL CONTENT

REGISTRATION OPEN

1 YEAR VALIDITY

INCLUDES

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

USEFUL FOR

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

SACHIN BALIYAN SIR

DOWNLOAD TAIYARI KARO APP TO JOIN THE BATCH

MATHS SYLLABUS

ARITHMATIC:

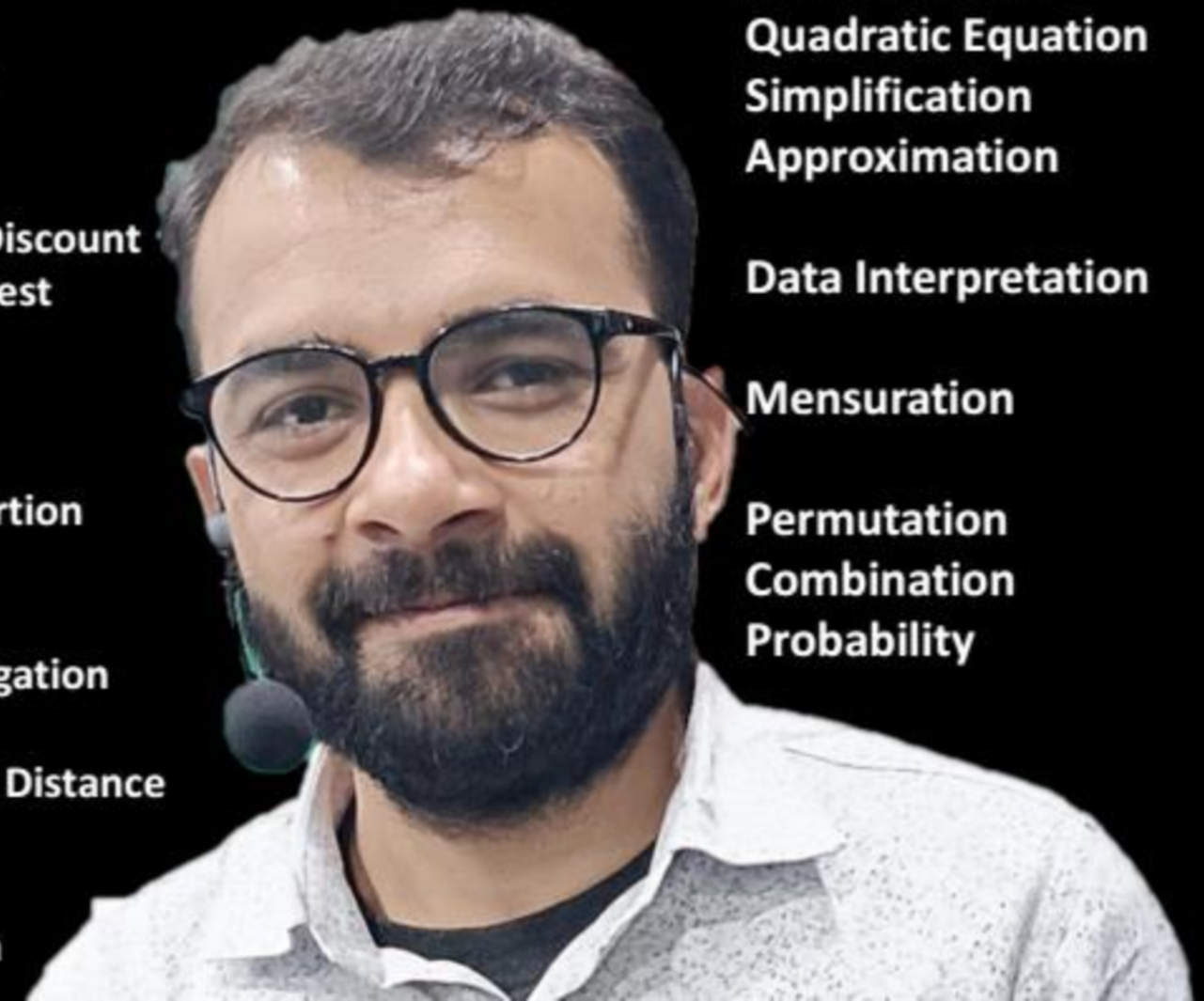
(SSC/BANK/CUET/CSAT/STATE GOVT)

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

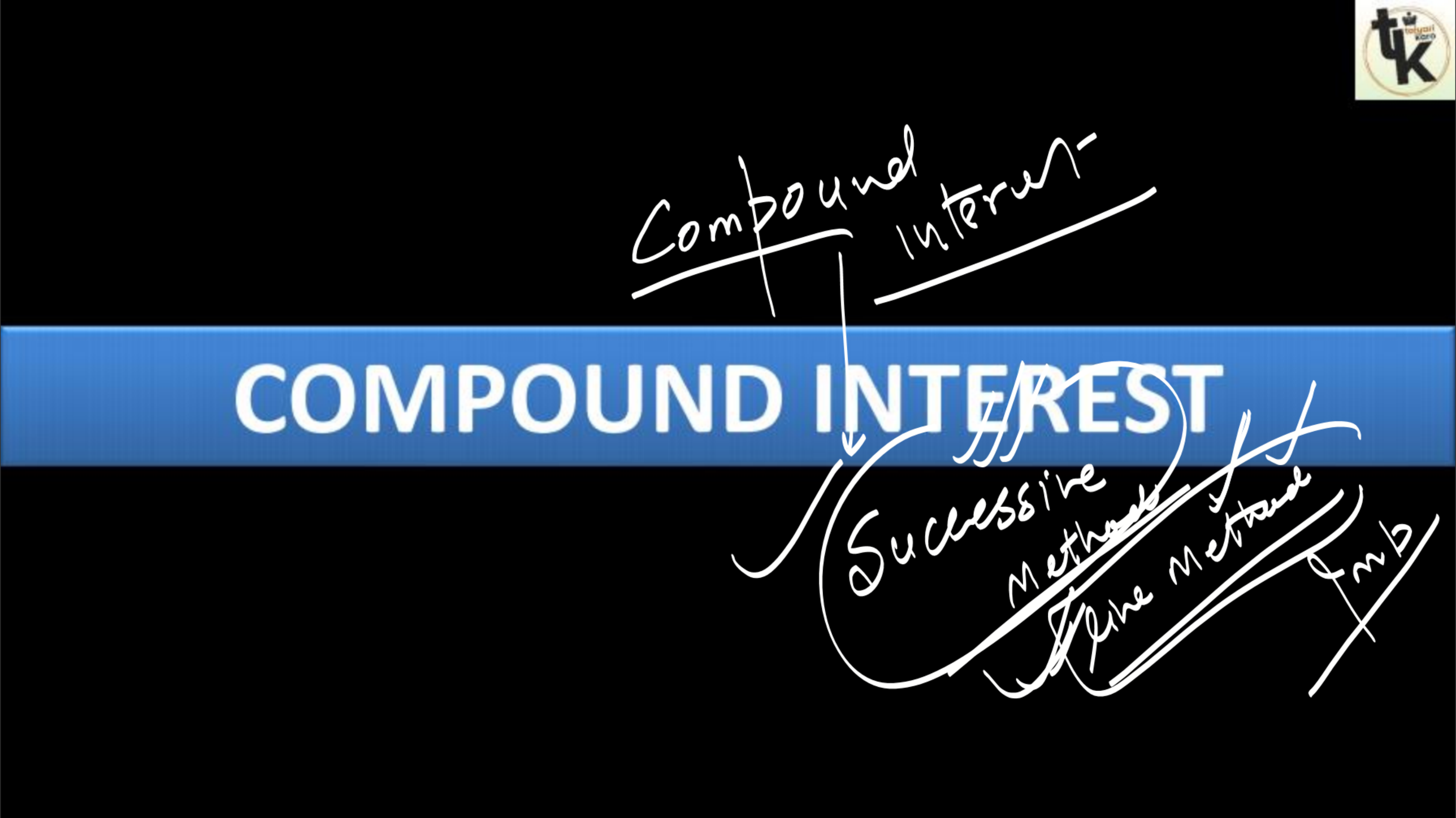
Surds
Indices
Algebra

Trigonometry
Height and Distance

Geometry

Mensuration-2D
Mensuration-3D

Co-ordinate Geometry


Compound Interest
COMPOUND INTEREST
Successive Method
Time Method
Emb

Line Method

NO. OF QUESTIONS	CLASS NUMBER	CLASS DURATION
15 Questions	DAY - 2	1 HOURS

CI – 2 (Line Method Method) | MATHS WITH SACHIN BALIYAN SIR

$16\frac{2}{3}\%$

$\frac{\cancel{50}}{3} \times \frac{1}{\cancel{100}\,2}$

$\frac{1}{6}$ → Int (1 Kilm) → P

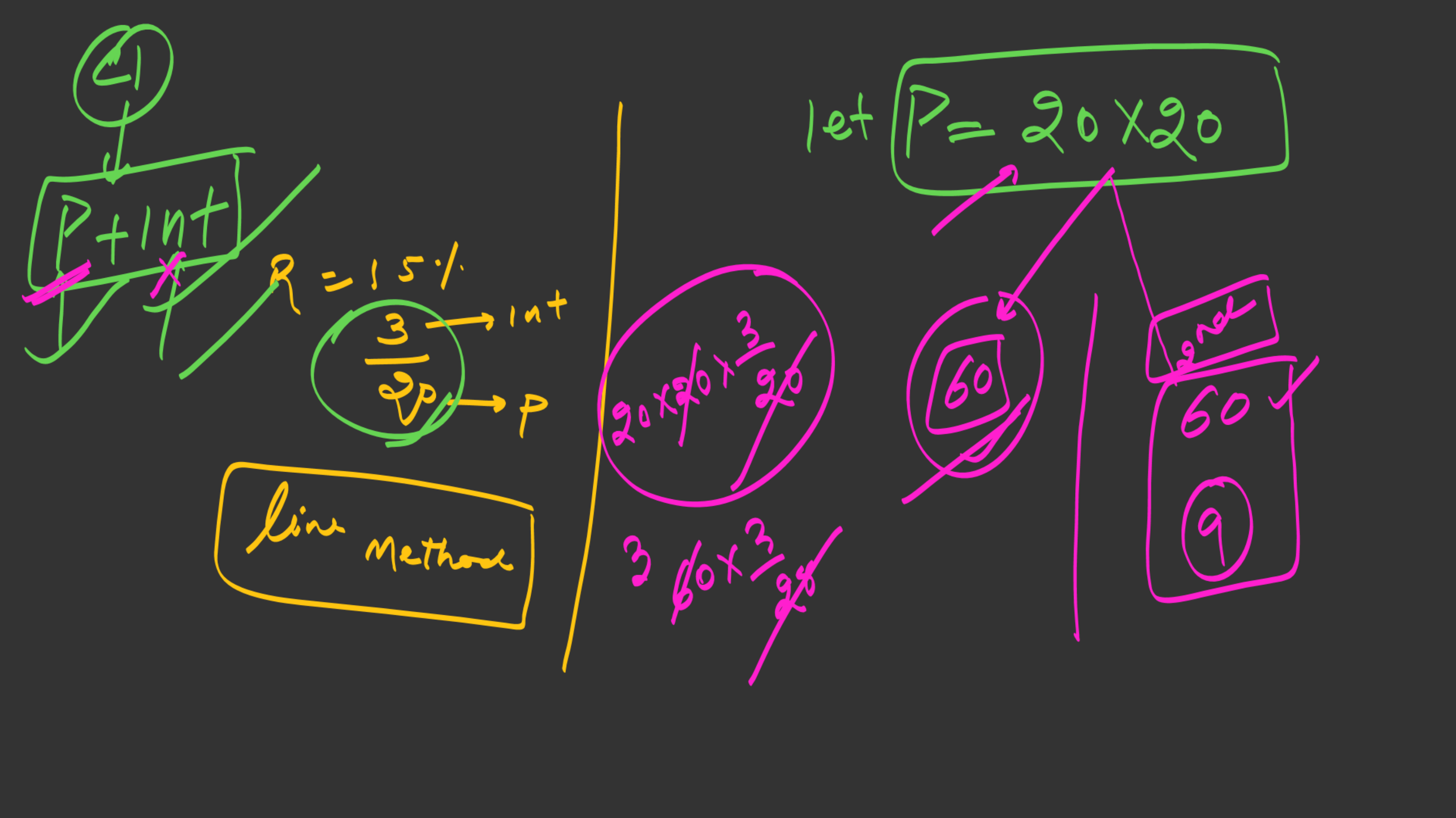
R = 15% PA

$\frac{\cancel{15}\,3}{\cancel{100}\,20}$

$\frac{3}{20}$ → Int [1 Kilm] → P

20%

$\frac{20}{100} = \frac{1}{5}$



CI

P + Int

R = 15%

$\frac{3}{20}$ → Int, P

line Method

$20 \times 20 \times \frac{3}{20}$

$\overset{3}{\cancel{60}} \times \frac{3}{\cancel{20}}$

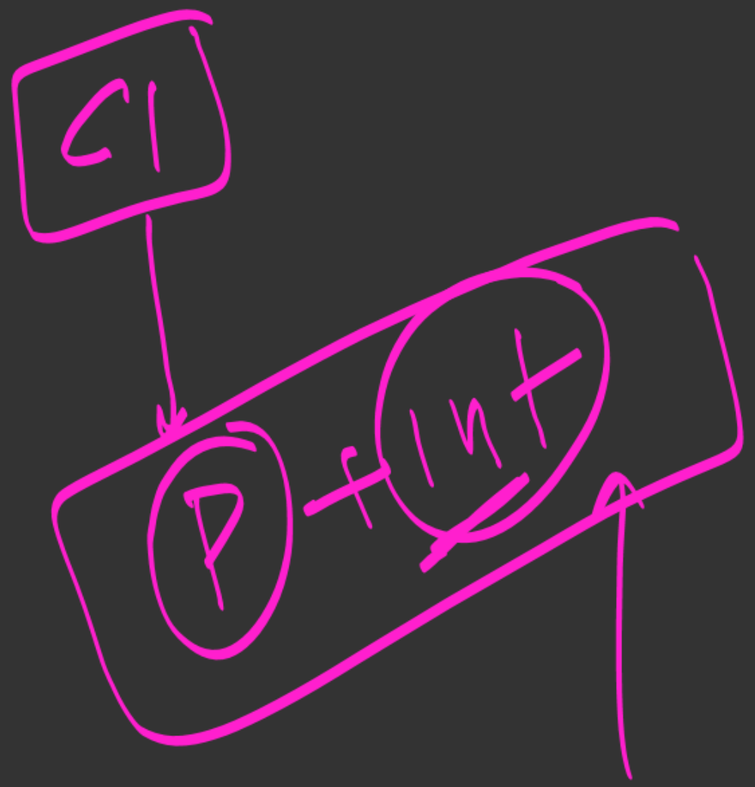
let $P = 20 \times 20$

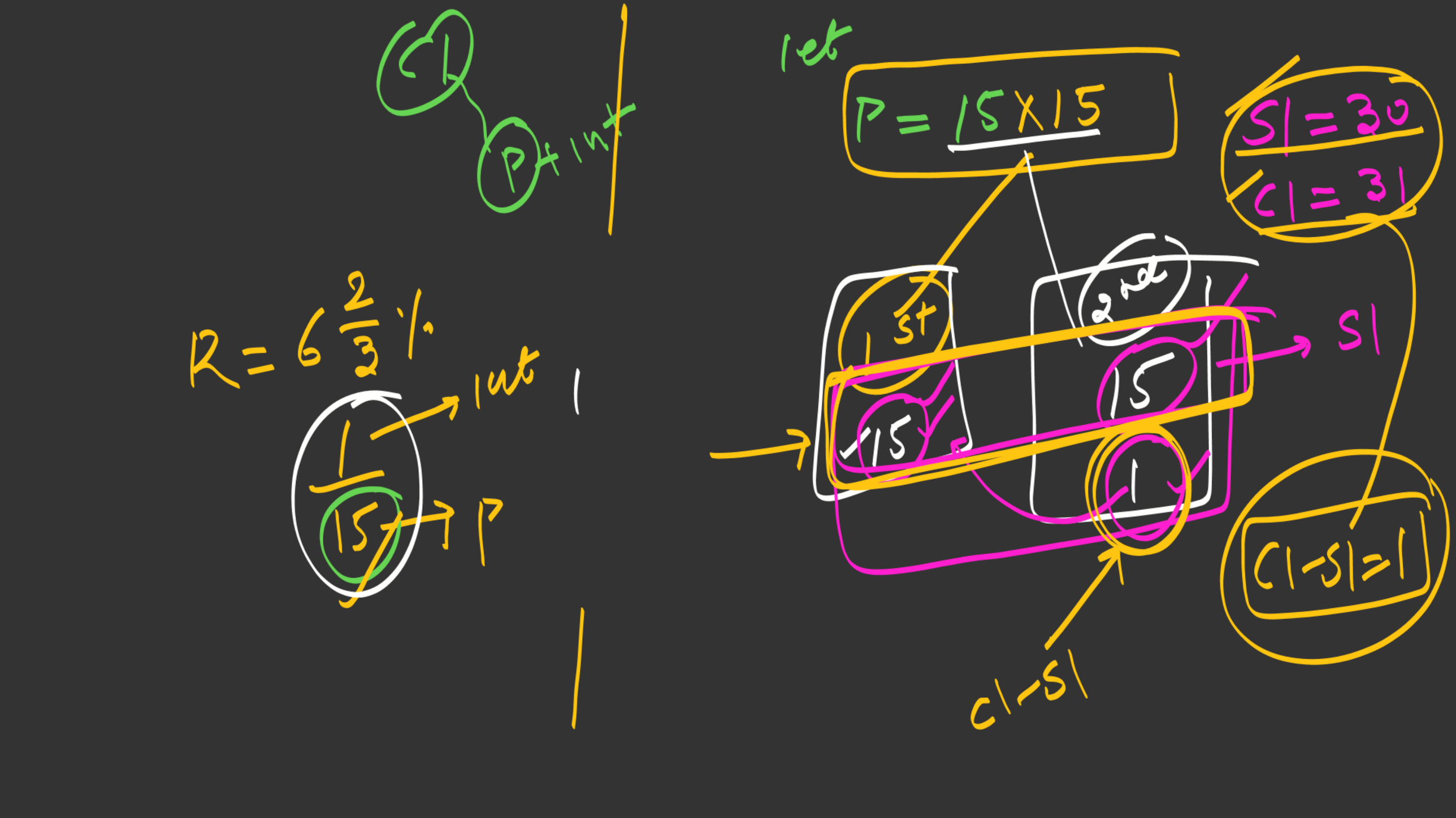
60

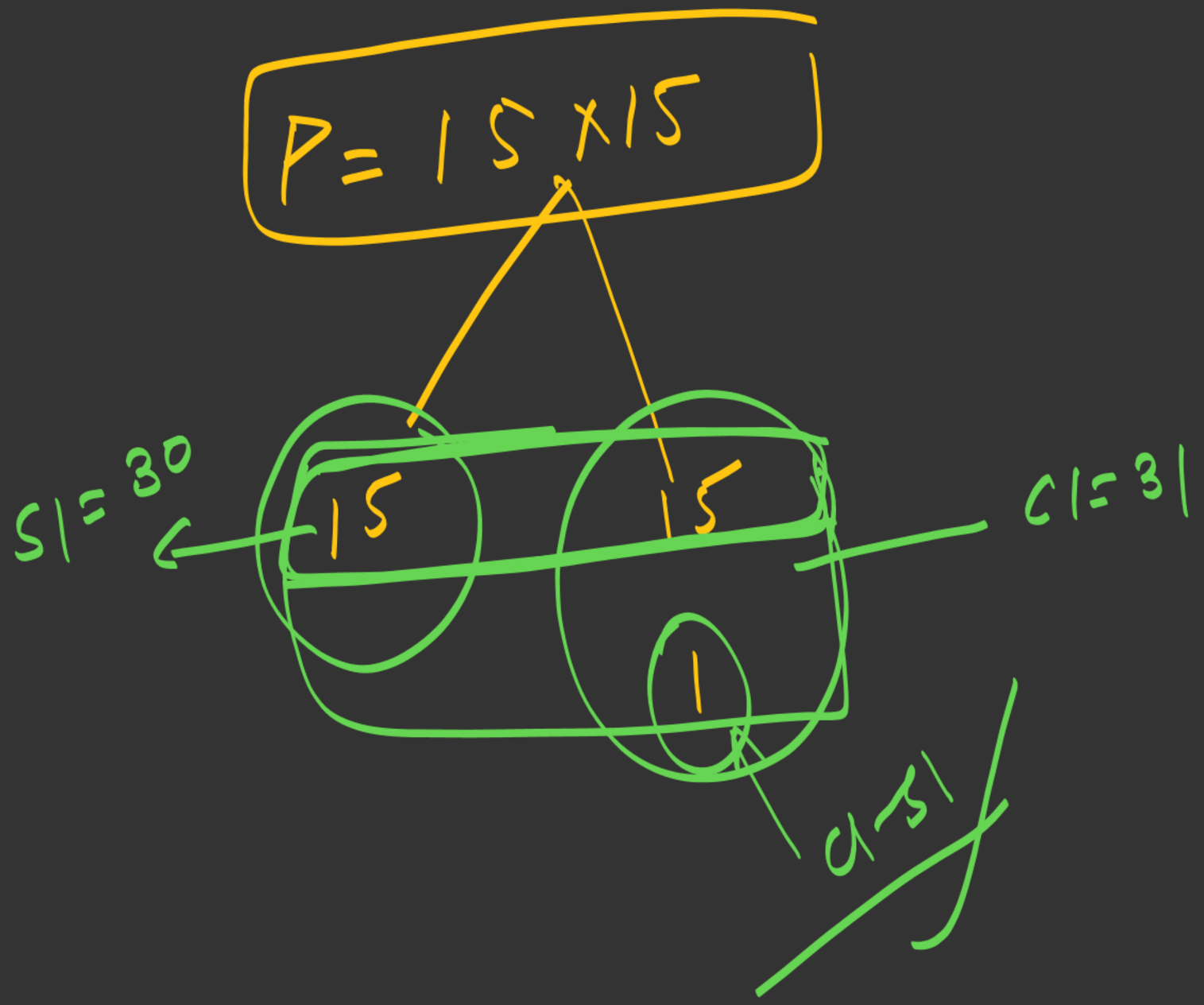
2nd

60

9


C1
P
+int


C1
P
int
R = 6 2/3 %
int
15
P
int
P = 15 X 15
1st
2nd
15
15
1
S1
S1 = 30
C1 = 31
C1 - S1 = 1
C1 - S1


P=15 x15
S1=30
15
15
1
C1=31
a=31

The difference between simple and compound interest (compounded annually) on a sum of money for 2 years at $6\frac{2}{3}\%$ per annum is Rs 240

CI - SI

The sum (in Rs.) is: अगर $6\frac{2}{3}\%$ प्रति वर्ष की दर से अंतर 2 साल के लिए साधारण ब्याज और चक्रवृद्धि ब्याज (सालाना चक्रवृद्धि) के बीच का 240 रुपये है। तो मूलधन (रु में) क्या होगा ?

A) 44000
B) 50300
C) 5400
D) none

$\frac{20}{3} \times \frac{1}{100} \times 5$

$\frac{1}{15}$

$15 \times \frac{1}{15}$

$P = 15 \times 15 = 225$

15 | 15

1 = 240 Rs

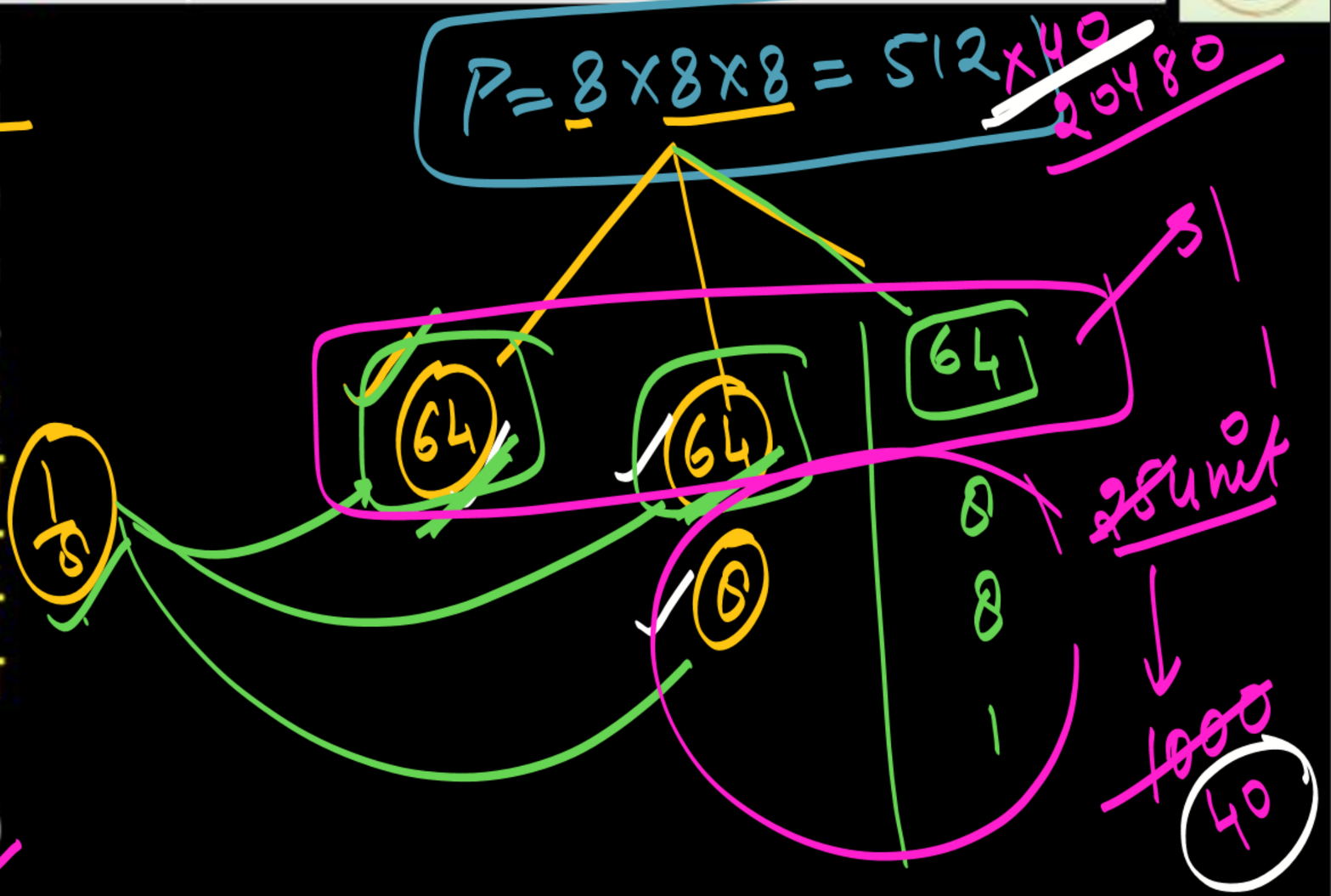
Ans = 225 × 240 Ans

CI – 2 (Line Method Method)

MATHS WITH SACHIN BALIYAN SIR

If the difference between compound interest and SI received at $12\frac{1}{2}$ % per annum after 3 years is Rs 1000 , then what will have been the principal (in Rs) amount? यदि 3 वर्षों के बाद $12\frac{1}{2}$% प्रति वर्ष की दर से प्राप्त चक्रवृद्धि ब्याज और SI के बीच का अंतर 1000 रुपये है, तो मूल राशि (रुपये में) क्या होगी?

A) 16000
B) 25600
C) 17000
D) None

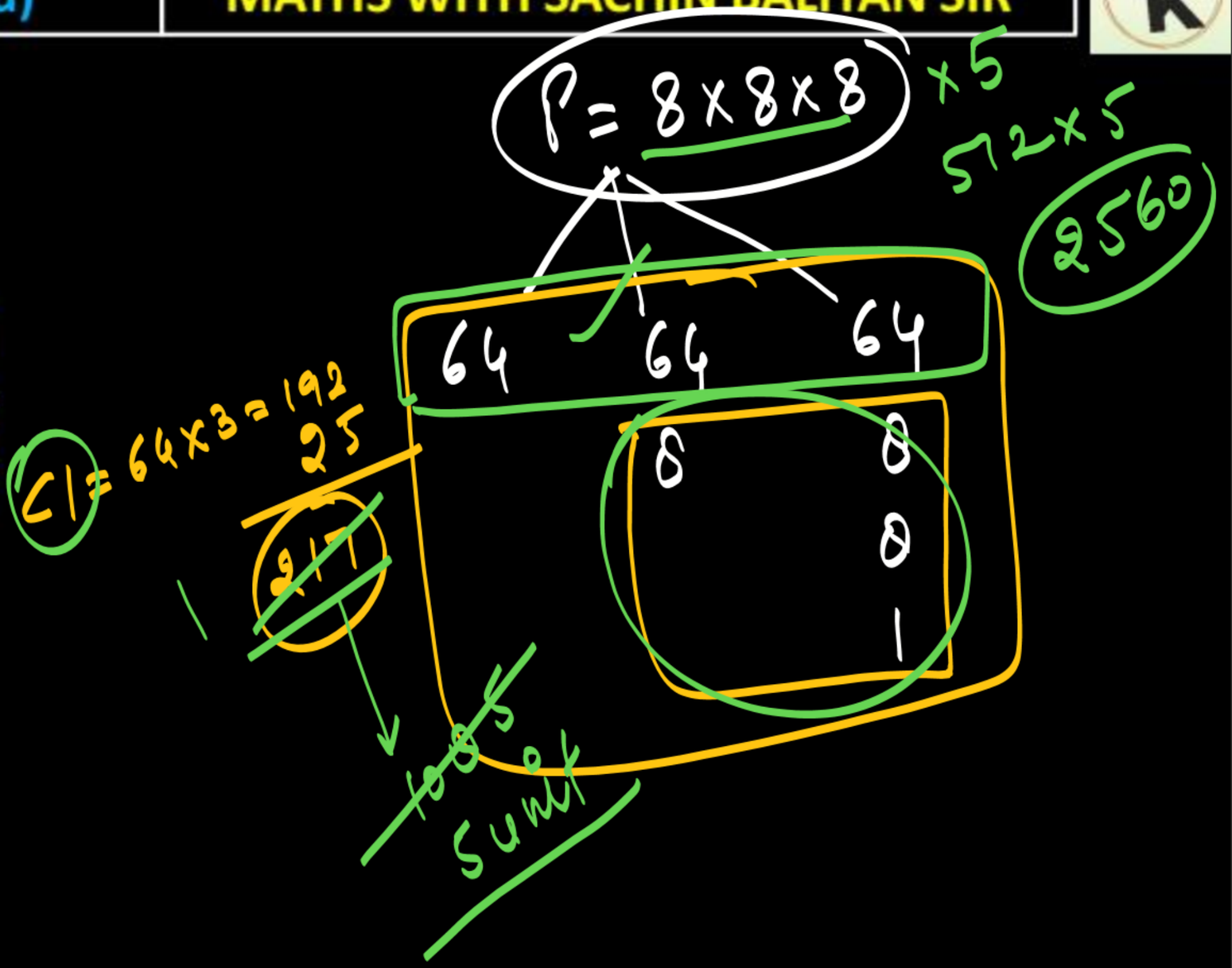


CI – 2 (Line Method Method)

MATHS WITH SACHIN BALIYAN SIR

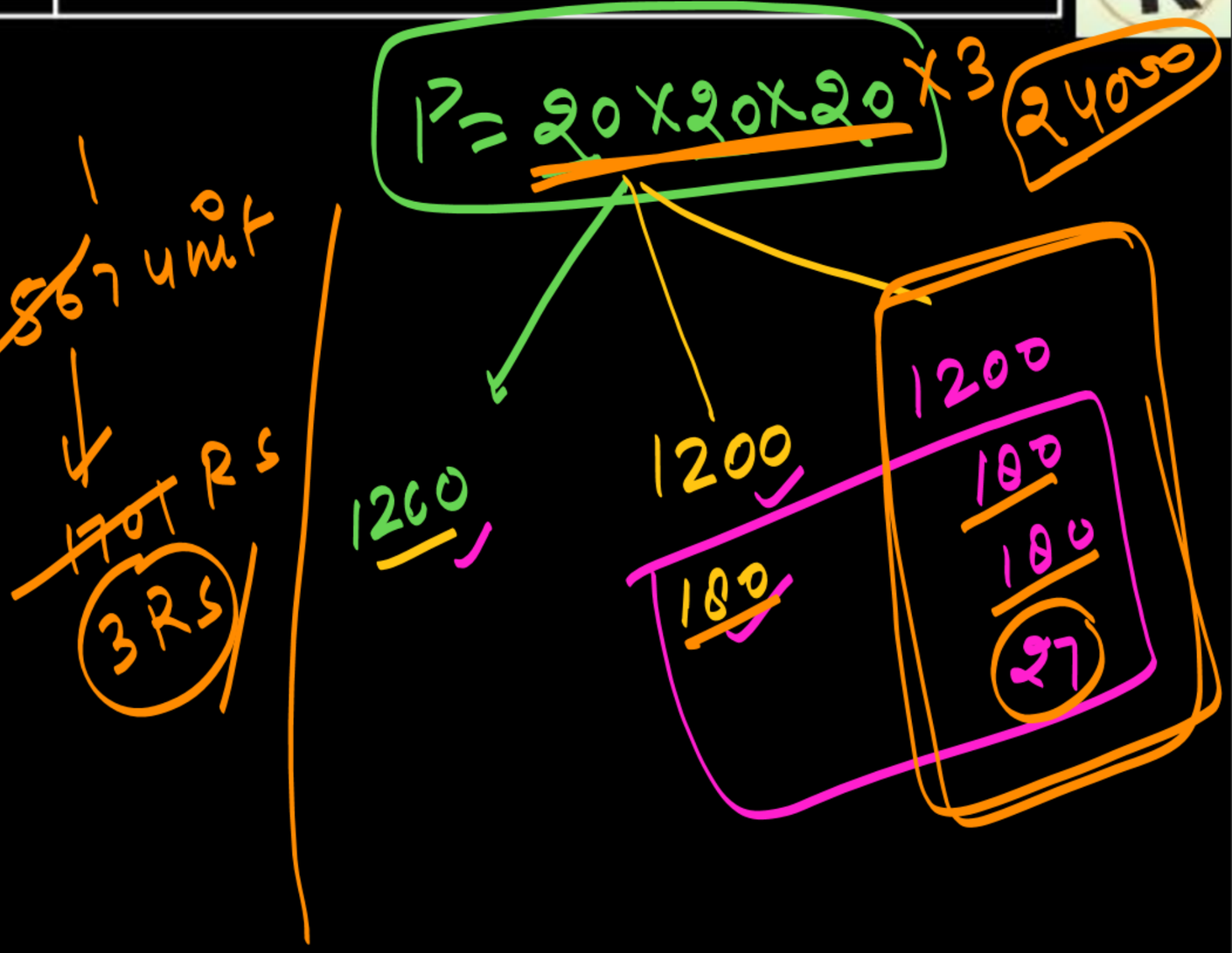
If the compound interest received at $12\frac{1}{2}$ % per annum after 3 years is Rs 1085, then what will have been the principal (in Rs) amount? यदि 3 वर्ष के बाद $12\frac{1}{2}$ % प्रति वर्ष पर चक्रवृद्धि ब्याज 1085 रु है, तो मूलधन (रु में) क्या होगा?

A) 1600
B) 2560
C) 1700
D) 1800



The difference between simple and compound interest (compounded annually) on a sum of money for 3 years at 15% per annum is Rs 1701. The sum (in Rs.) is: अगर 15% प्रति वर्ष की दर से अंतर 3 साल के लिए साधारण ब्याज और चक्रवृद्धि ब्याज (सालाना चक्रवृद्धि) के बीच का 1701 रुपये है। तो मूलधन (रु में) क्या होगा ?

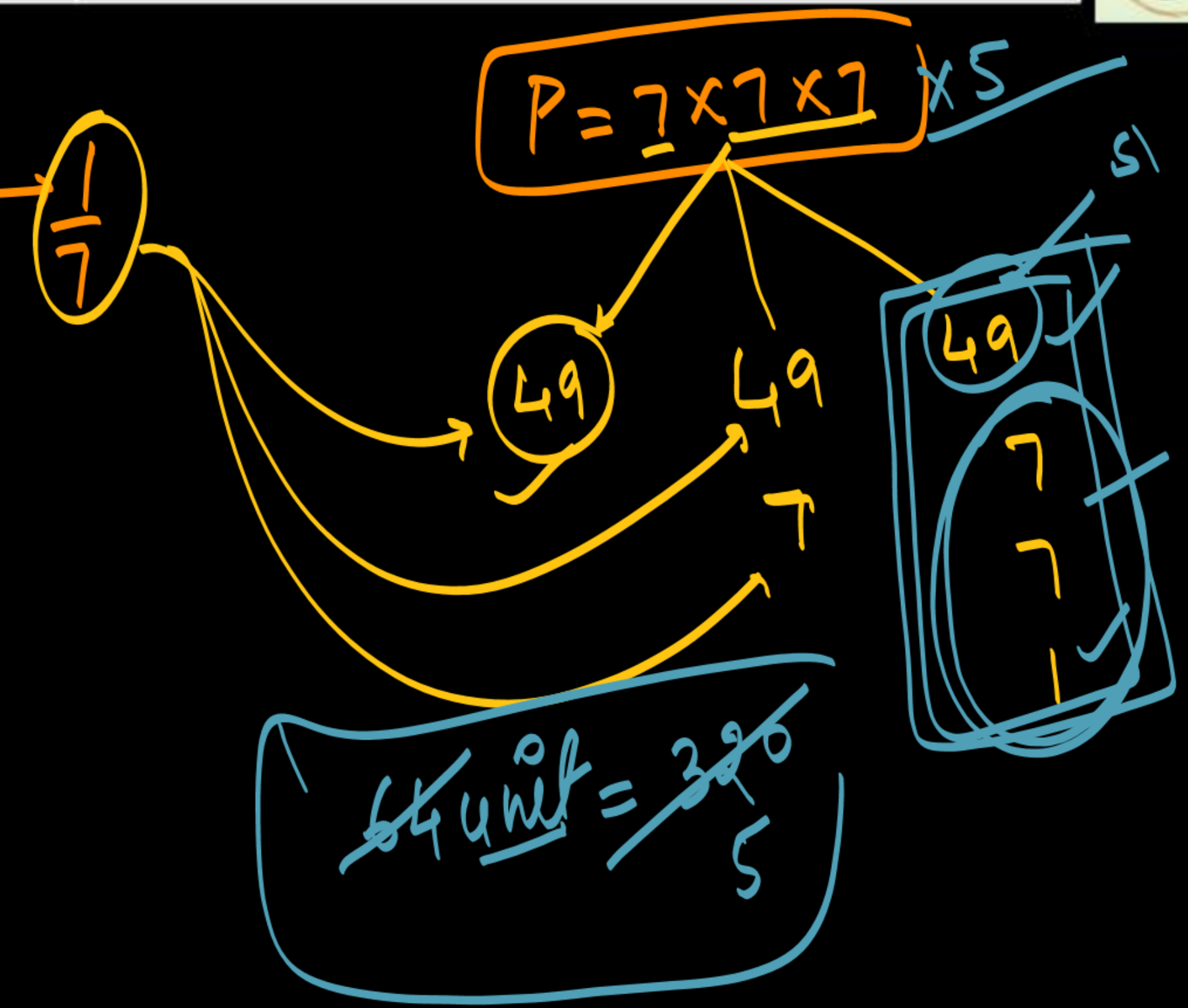
A) 24000
B) 30300
C) 2400
D) 3030



If compound interest for the 3rd years is 320 rupees . while rate of compound interest is $14\frac{2}{7}\%$ per annum . then find the principal amount? यदि तीसरे वर्ष के लिए चक्रवृद्धि ब्याज 320 रुपये है। जबकि चक्रवृद्धि ब्याज की दर $14\frac{2}{7}\%$ प्रति वर्ष है। फिर मूल राशि ज्ञात कीजिये?

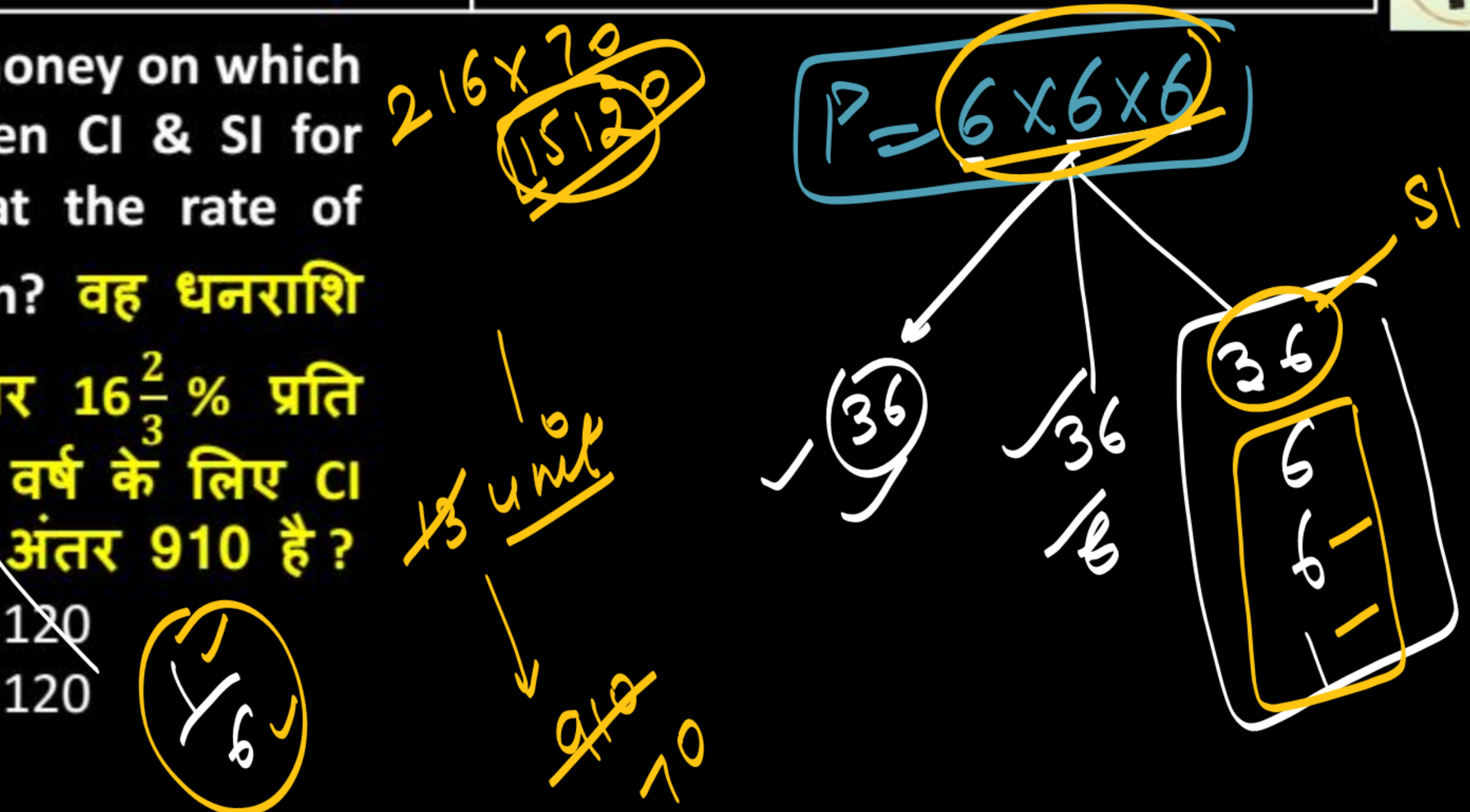
1715 1680

1600 1700



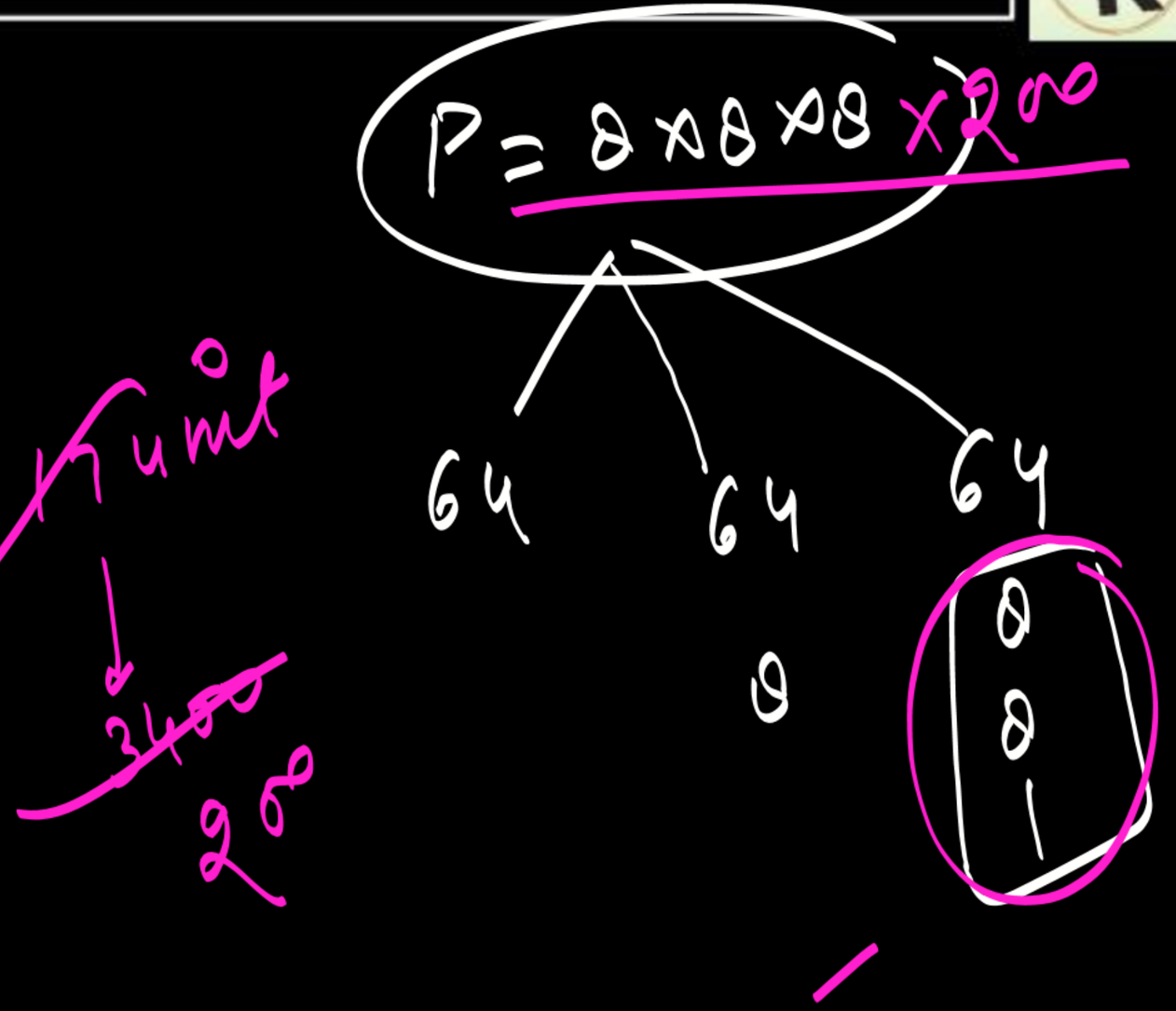
Find the sum of money on which difference between CI & SI for 3rd year is 910 at the rate of $16\frac{2}{3}\%$ per annum? वह धनराशि ज्ञात करो जिस पर $16\frac{2}{3}\%$ प्रति वर्ष की दर से 3rd वर्ष के लिए CI और SI के बीच के अंतर 910 है?

(a) 12120 (b) 15120
(c) 14120 (d) 13120
(e) None of these



Find the sum of money on which difference between CI & SI for 3rd year is 3400 at the rate of $12\frac{1}{2}\%$ per annum? वह धनराशि ज्ञात कीजिए जिस पर $12\frac{1}{2}\%$ प्रति वर्ष की दर से तीसरे वर्ष के लिए CI और SI के बीच अंतर 3400 है?

(a) 12120 (b) 15120
(c) 14120 (d) 13120
(e) None of these



$\boxed{CI - SI = 152}$

$\cancel{15} \rightarrow \cancel{152}$

$\cancel{4} \quad \cancel{38}$

$1 \quad \frac{19}{2}$

$20\% = \frac{1}{5}$

$125 \times \frac{19}{2} = \frac{2375}{2}$

$\boxed{1187.5}$ Ans

Thank
You