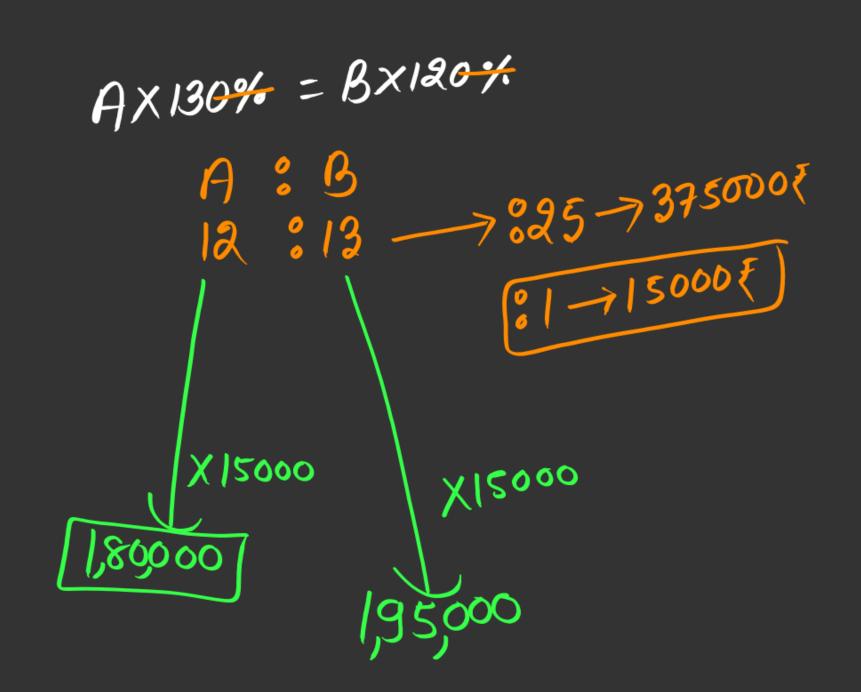
30.

1,30,000₹ 8→12±4

$$A \times 250\% = B \times 125\%$$
 $A : B \longrightarrow 13 = 1,30,000$
 $1 = 100007$
 $1 = 100007$



Compound Interest

C·I — अश्रिश्याप

C·I→ compound Interest(山野里是の山山)

p -> principal (Amera)

8 -> Vate (ET)

t -> time (444)

A) + Amount (Ayrua)

 $A = P + C \cdot I$

 $C \cdot I = A - P$

$$C \cdot I = A - P$$

$$C \cdot I = P(I + \frac{x}{100})^{t} - P$$

$$CI = P \left((1 + \frac{r}{100})^{t} - 1 \right)$$

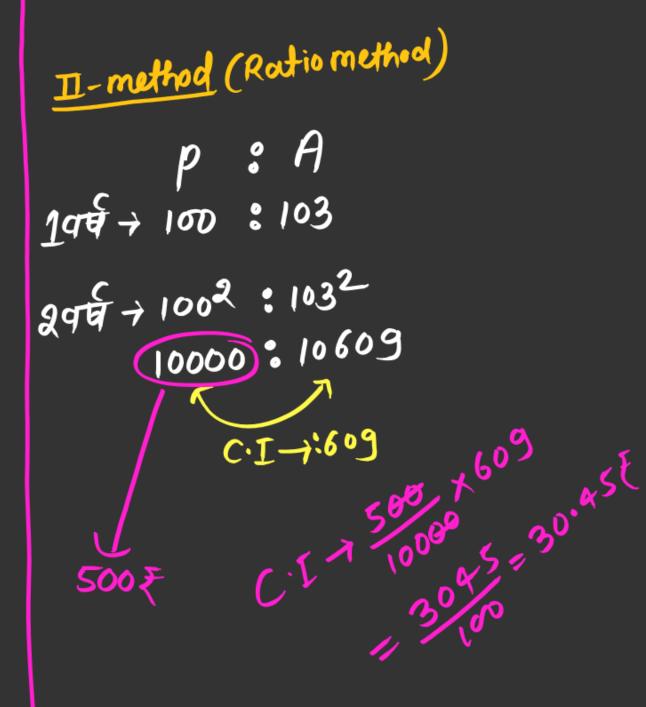
2वर्षकाC·I

$$C \cdot I \rightarrow \left(28 + \frac{100}{82}\right) /$$

$$\begin{array}{c} 27 + 4\% \\ 100 \\ 1$$

8729a \ C.I = 40.00 44.1.

$$7 o 300 o 7$$
 $7 o 3\%$
 $1 o method$
 $1 o m$



Cholden rule (1) 294

 $CI \rightarrow 2:1$

III-method (percentagemethod)

$$C \cdot I = \frac{500 \times 6.09}{400}$$
= 30.45 Ans.

IV-method (<u>cnolden rule</u>)

$$\frac{500 \times 3}{100} = 15$$

$$\frac{15 \times 3}{100} = 0.45$$

1. What will be the compound interest on ₹30,000 for 2 years at the rate of 5% per annum?

₹ 30,000 पर 5% की दर से 2 वर्ष का चक्रवृद्धि ब्याज क्या होगी? (A) ₹3000 (B) ₹3075 (C) ₹3500 (D) ₹3200

C.1=10.25%

What will be the compound interest on a sum of ₹

15000 for $2\frac{1}{2}$ years at the rate of 10% per annum?

₹ 15000 की राशि पर $2\frac{1}{2}$ वर्षों में 10% की दर से चक्रवृद्धि ब्याज 2पर्ध $+ \frac{1}{2}$ वर्ष $\times \frac{10\%}{2}$

$$C.I \rightarrow \frac{15000 \times 27.05}{100} \times 100$$

$$\frac{40575}{10} = 4057.50$$

$$295 + 295 \times 10\%$$

$$10\%, 10\%$$

$$C.I. + 21\%$$

$$21 + 5 + 21\%$$

$$21 + 5 + 21\%$$

$$21 + 5 + 21\%$$

$$26 + 10\% = 27.05\%$$

3. How much will the sum of ₹1250 become in two years at 8% annual compound interest?

₹ 1250 की राशि 8% वार्षिक चक्रवृद्धि ब्याज पर 2 वर्ष में कितनी हो ८•፲ ≥ 16:6**4%**

(A) ₹1280 (B) ₹1526 (C) ₹1458 (D) ₹1566

$$\frac{1250 \times 16/64}{100 \times 100} = 208 \mp (C.I.)$$

4. In how many years will ₹ 2500 become ₹ 3136 at the rate of 12% P.A. at compound interest?
₹ 2500 कितने वर्ष में 12% वार्षिक चक्रवृद्धि ब्याज की दर से ₹ 3136 होगी?

2 Years

(B) $1\frac{1}{2}$ Years

(C) $2\frac{1}{2}$ Yea

(D) 3 Years

$$(28)^{2} = (28)^{4}$$

 $(28)^{2} = (28)^{4}$
 $(28)^{2} = (28)^{4}$