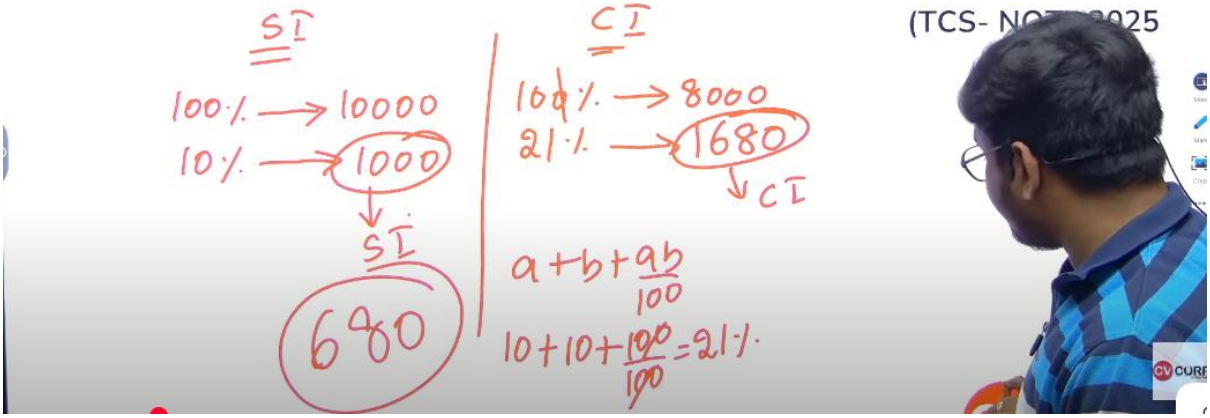
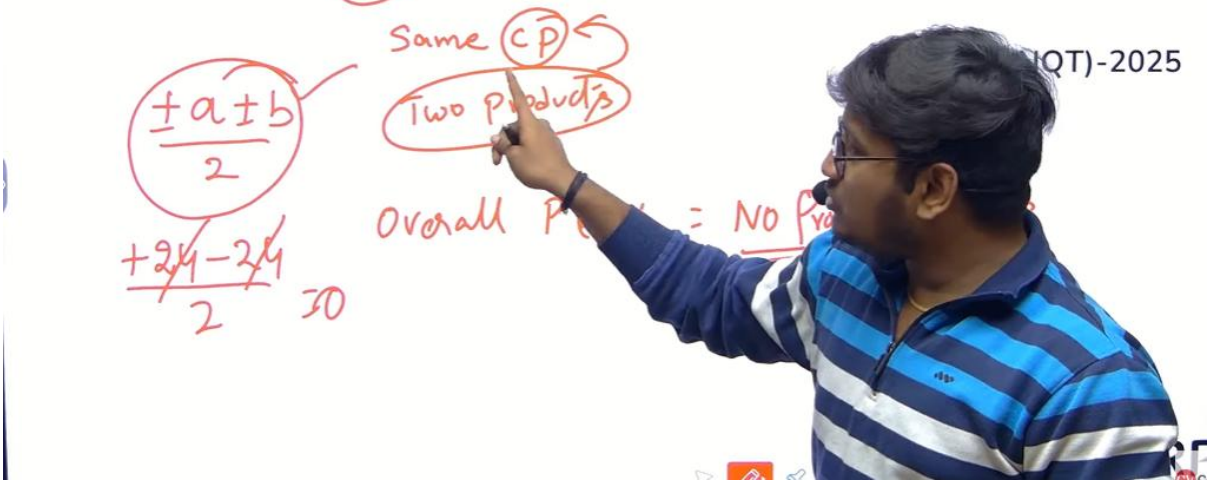
A man deposited Rs.10,000 in a bank at 5% p.a. Simple Interest. Another man deposited Rs.8,000 at 10% p.a. Compound Interest. After 2 years, what will be the difference in their interests?

(TCS- NQT)-2025



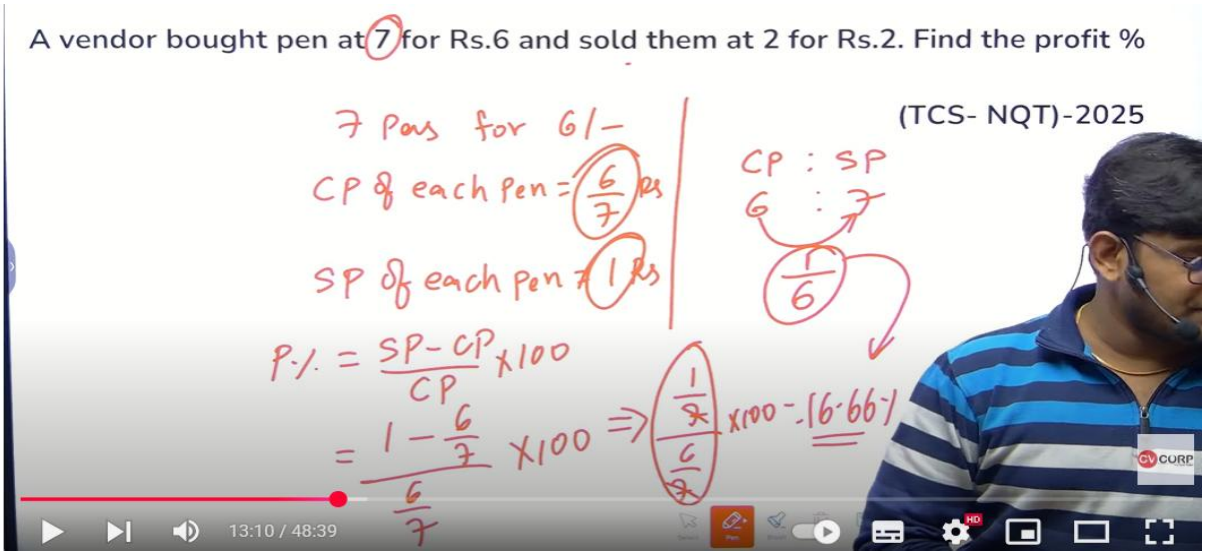
A man purchased two products each price 3600. While selling on one at 24% profit and on other at 24% loss. What is his overall % profit and loss ?

(TCS- NQT)-2025

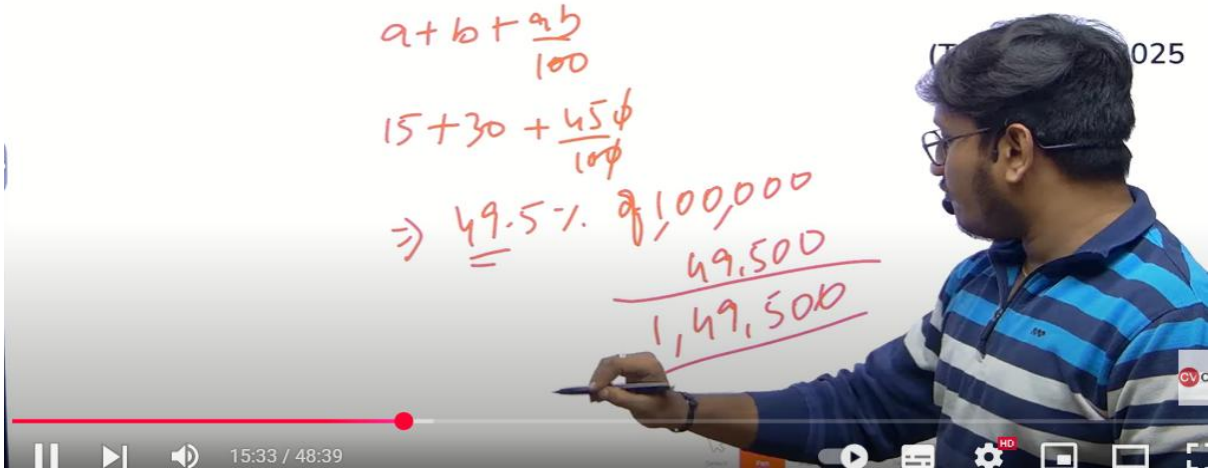


A vendor bought pen at 7 for Rs.6 and sold them at 2 for Rs.2. Find the profit %

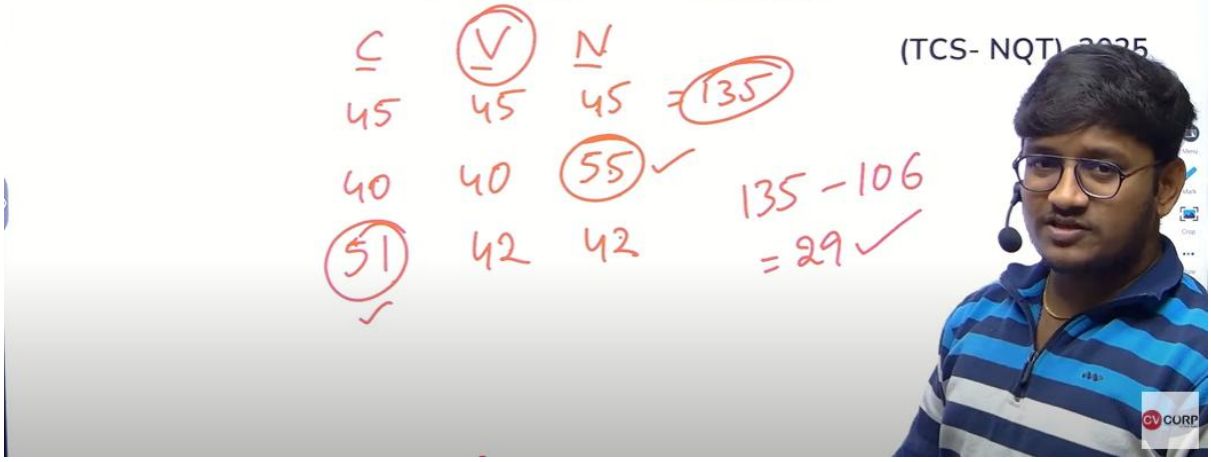
(TCS- NQT)-2025



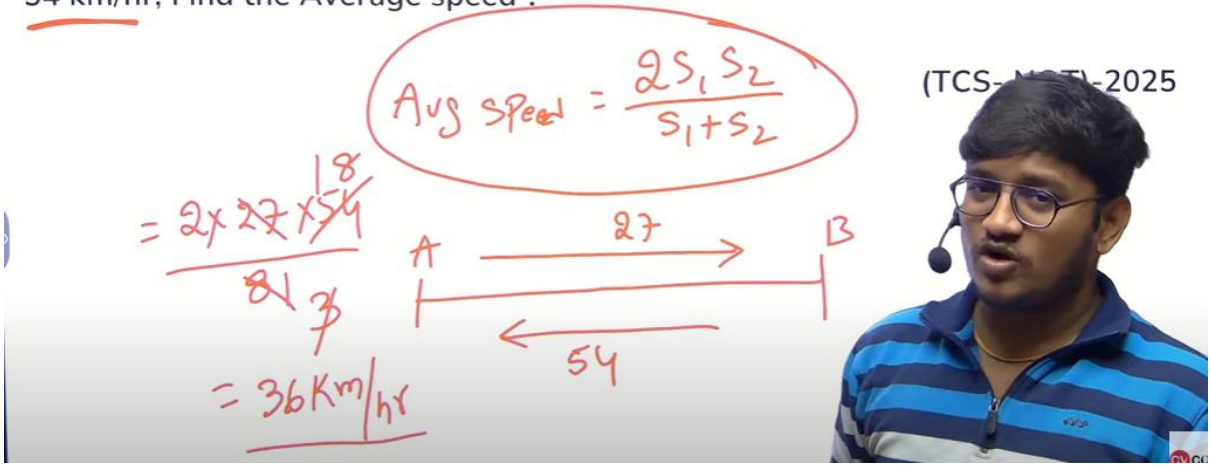
The population of a village is 10,0000 in the present year, It increases by 15% in the next year, again it increases by 30% in the next year. What will be the total population after 2 years?



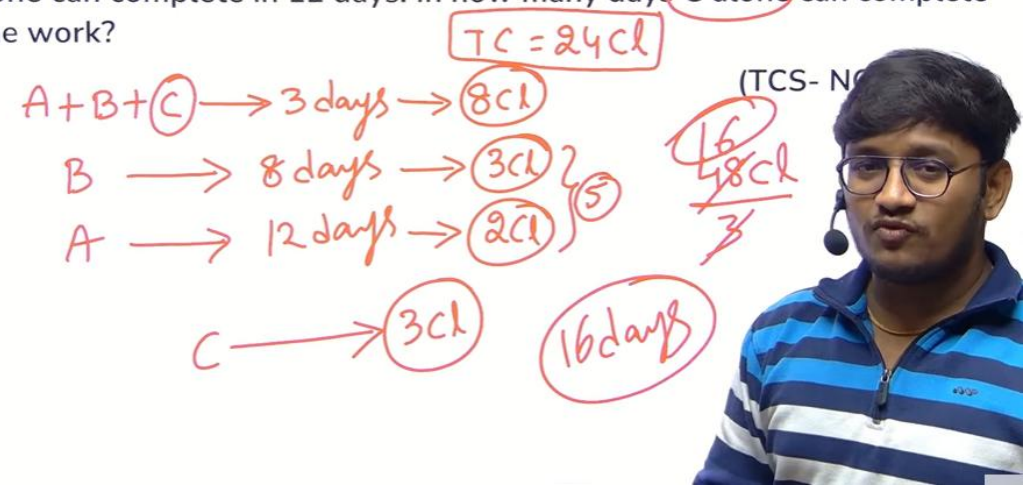
The average age of Charan, Vinay and Naveen is 45 the average age of Charan & Vinay is 40 and Vinay and Naveen is 42. Then vinay's age is ?



A train moves from A to B at the speed of 27 km/hr, from B to A at the speed of 54 km/hr, Find the Average speed ?



A, B and C together can complete a work in 3 days. B alone can complete in 8 days, A alone can complete in 12 days. In how many days C alone can complete twice of the work?



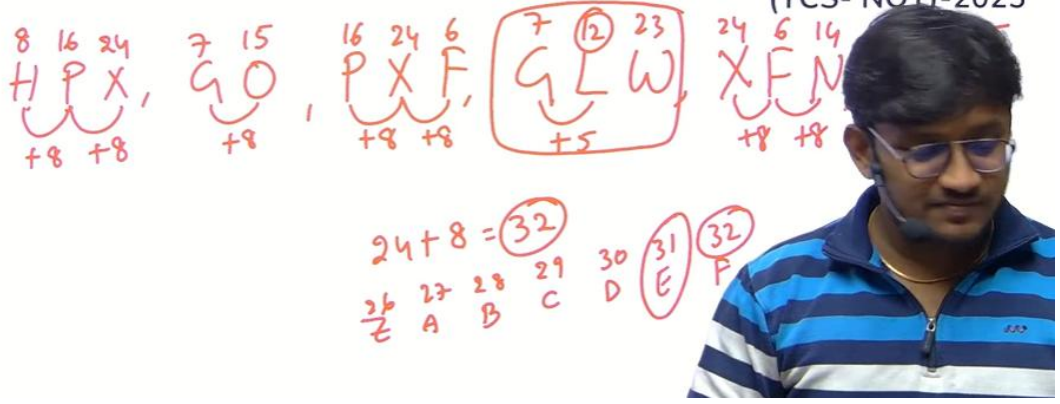
(TCS- NQ

Find wrong term in the given series

HPX, GO, PXF, GLW, XFN, OWE

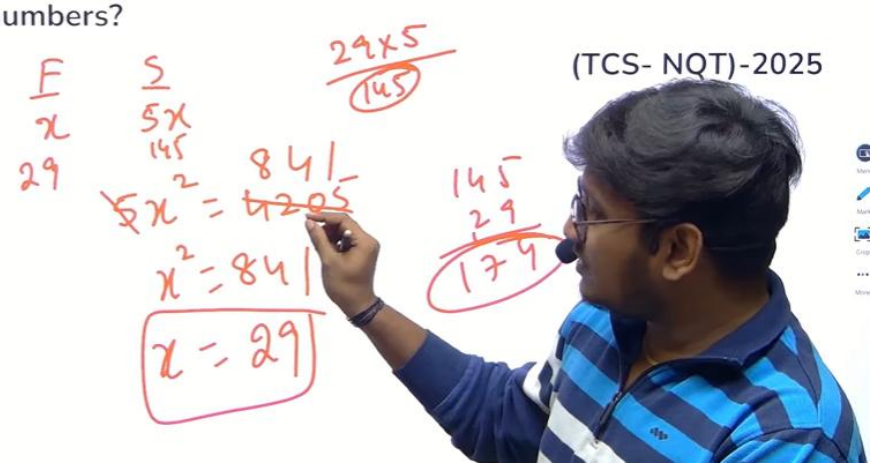
GLW

(TCS- NQT)-2025



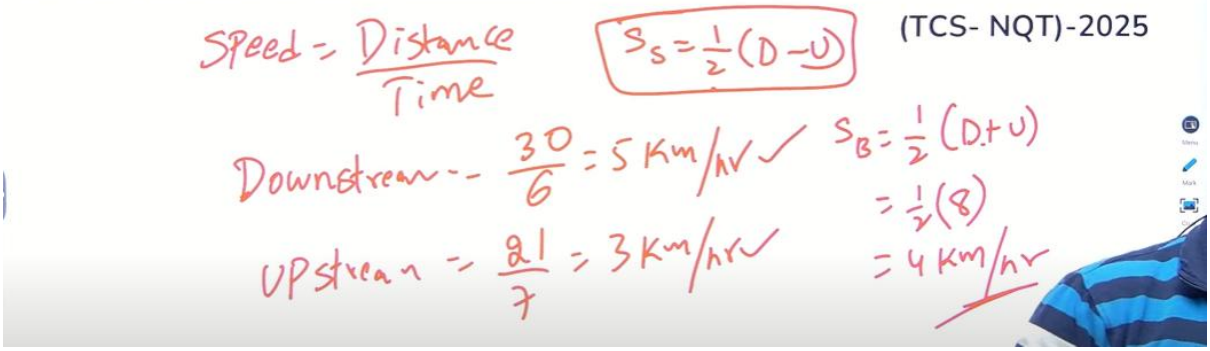
Product of two numbers is 4205. If the first number is 5 times the second number. Find the sum of two numbers?

(TCS- NQT)-2025



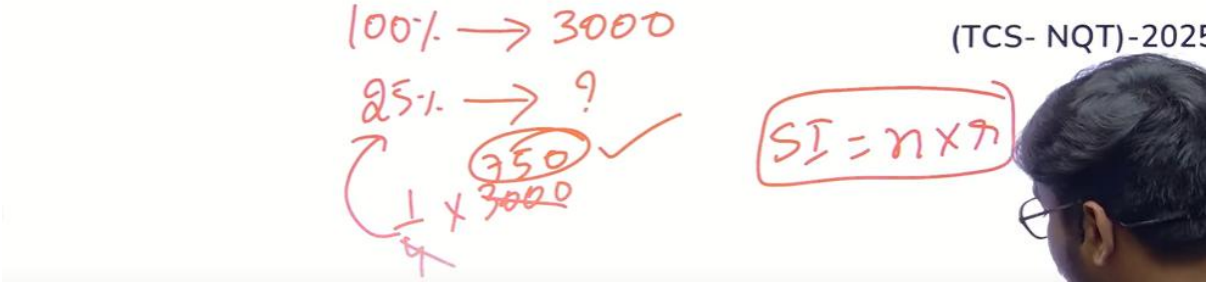
A boat takes 6hrs to cover 30km distance in downstream, whereas it covers 21km in 7hrs upstream. What is the speed of the boat in still water?

(TCS- NQT)-2025



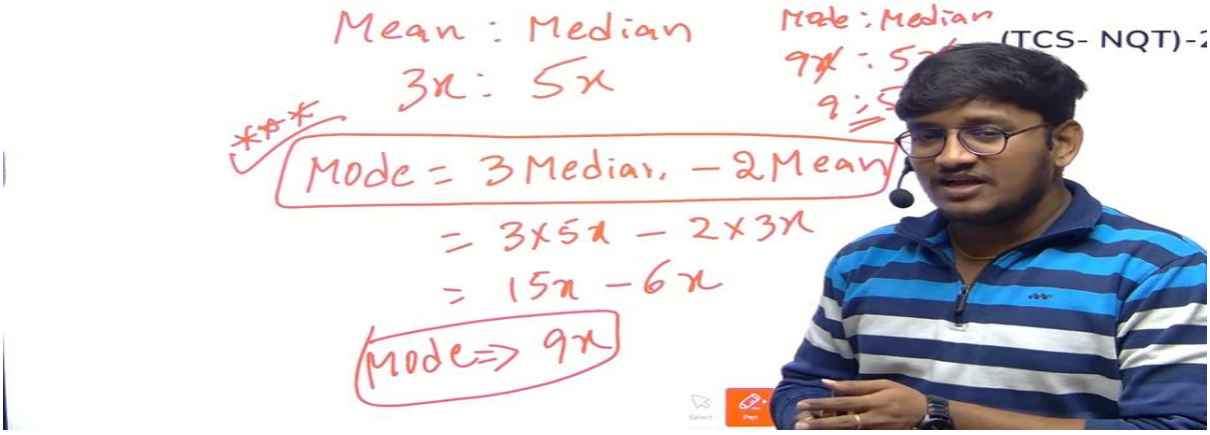
A sum of money Rs. 3000, invests at 5% p.a in 5 years. Find simple interest?

(TCS- NQT)-2025

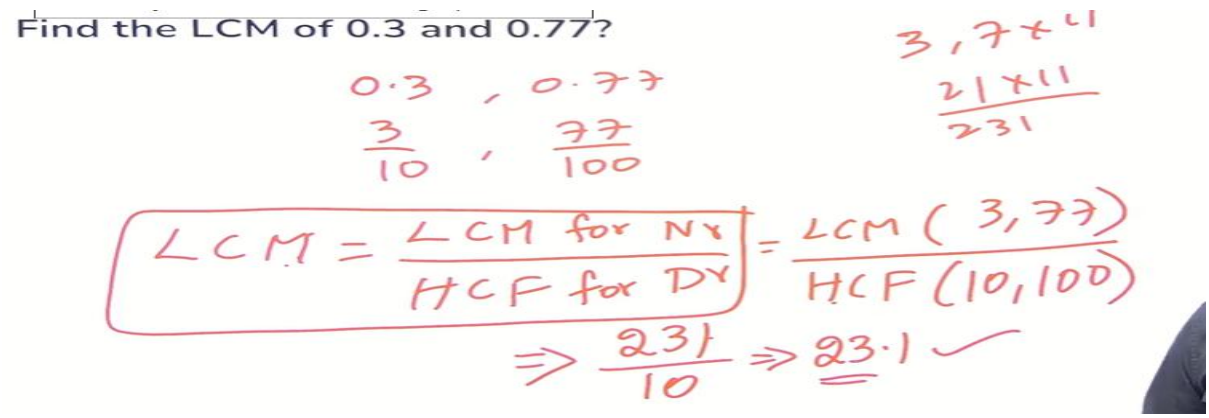


The ratio of Mean to Median is 3:5. Find the ratio of Mode to Median?

(TCS- NQT)-



Find the LCM of 0.3 and 0.77?

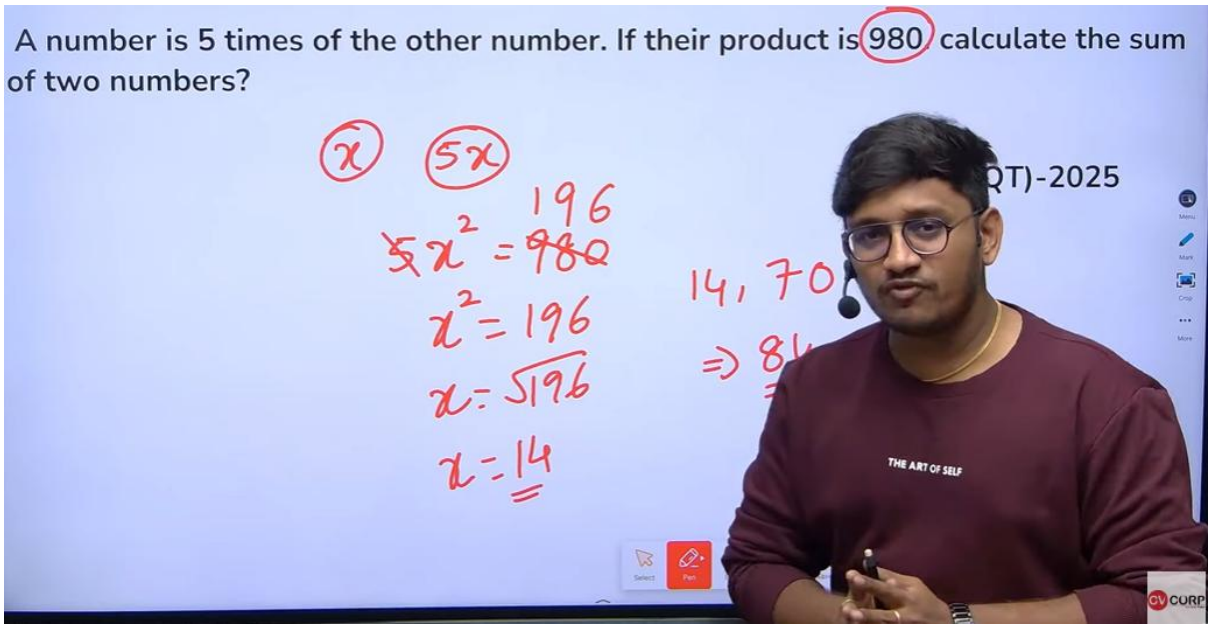


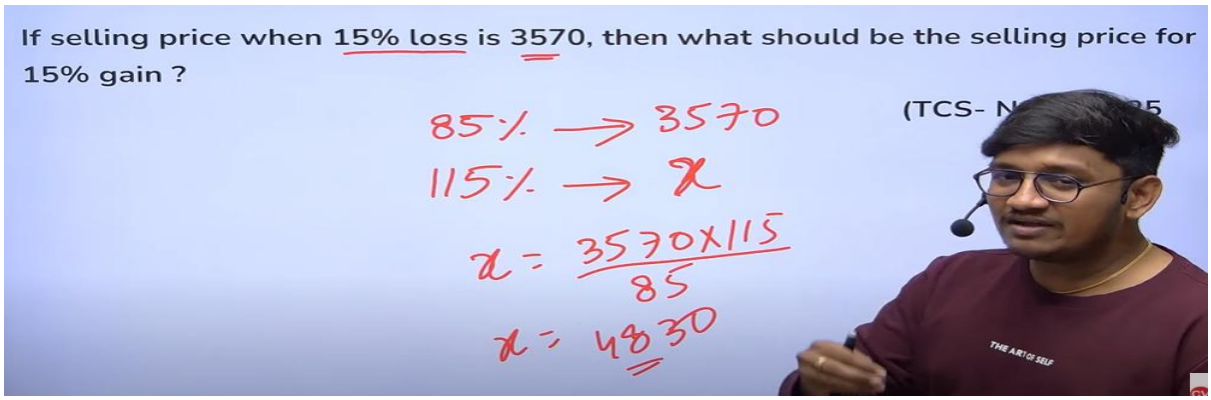
```java
import java.util.*;
class Main {
    public static void main(String[] args) {
        Scanner sc = new Scanner(System.in);
        String sentence = sc.nextLine();
        sentence.toLowerCase();
        Set<Character> set = new HashSet<>();
        for(char ch : sentence.toCharArray()){
            if(ch >='a' && ch <= 'z'){
                set.add(ch);
            }
        }
        StringBuilder sb = new StringBuilder();// to store the
            result
        for(char ch='a';ch<='z';ch++){
            if(!set.contains(ch)){
                sb.append(ch);
            }
        }
```

```
The four boxing wizard starts over the quickly
jmp

=== Code Execution Successful ===
```

```java
19          if(sb.length() == 0){
20              System.out.println(0);
21          }else{
22              System.out.println(sb)
23          }
```





Find simple interest on the 3560 at 15% p.a for 5 years?

$SI = \frac{PTR}{100}$

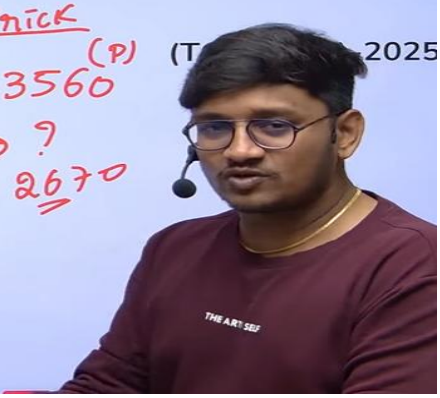
$= \frac{3560 \times 3 \times 15}{100}$

$= 2670$

Percentage Trick

100% → 3560 (P)

75% → ? 2670



The income of two persons A and B are in the ratio 3:5 and expenditure are in the ratio 1:2 and their savings are 46000 each. Find the income of B?

(TCS- NQT)-202

Income = Exp + Saving

A : B

I ← (3 : 5) ×1

E ← (1 : 2) ×2 ⇒

S ← 1 : 1

A : B

3 : 5

2 : 4

1 : 1

1P → 46000

5P → ?

46000 × 5

⇒ 23000

The population of a village is 2,20,000 in the present year, It increases by 10% in the next year, again it increases by 20% in the next year. What will be the total population after 2 years?

Present = 2,20,000

1st year

22000 +10%

2,42,000

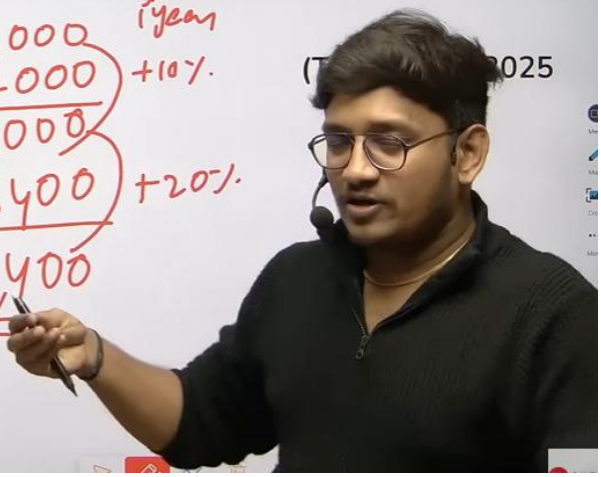
48400 +20%

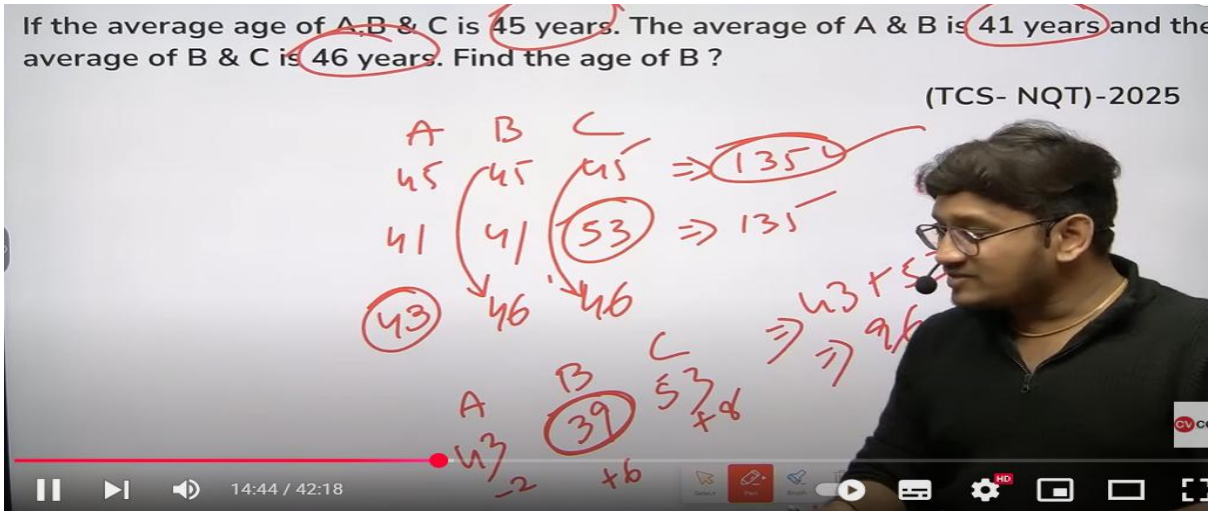
2,90400

$a + b + \frac{ab}{100}$

$10 + 20 + \frac{2 \times 10 \times 20}{100}$

$= 32.1$




If the average age of A, B & C is 45 years. The average of A & B is 41 years and the
average of B & C is 46 years. Find the age of B ?
(TCS- NQT)-2025
A B C
45 45 45
41 41 53
43 46 46
135
135
14:44 / 42:18