THINK BIGGER

TCS - 2025

NUMBER SYSTEM

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If a non-natural number is added to its square is equal to the twice the product of first two prime number , then find the number when the same is added to 9.

Two number between 1 to 100 and square of difference is $201, 0.2^{smaller\ number}$, find the smaller number

The difference between two no is 9 and the product of the two is 14. What is the square of their sum?

Ray writes a two-digit number. He sees that the number exceeds 4 times the sum of its digits by 3. If the number is increased by 18, the result is the same as the number formed by reversing the digits. Find the number.

a) 35

b) 42

c) 49

d) 57

Find the remainder 2^{50} is divisible by 7

Find the remainder 4^{30} is divisible by 7

131^{59} is divisible by 11, what is remainder ?

The remainder when 1!+2!+3!...+50! divided by 5! will be

If 1974 and 2038 are divisible by a number and leave a remainder as 39 and 28 . Find the number

A number when divided by a divisor leaves a remainder of 15. When twice the original number is divided by the same divisor, the remainder is 8. What is the value of the divisor?

What least number would be subtracted from 427398 so that the remaining number is divisible by 15?

Q is the smallest natural number such that it leaves a remainder of 3 when divided by 11 and 4 when divided by 9. What will be the remainder when Q is divided by 7?

Sum of product and sum of two positive integer equal to 2020, then what is the value of d/b in integers.

Unit digits of $3^{202} + 4^{186}$

What is the unit digit in the product 3^65 × 2^59 × 7^71

Unit digit $2^{2^{22}}$

LCM of 18, 45, 408, 255.

The largest 2-digit prime number is subtracted from the LCM of all single digit prime numbers to obtain a number ‘X’. Find the unit digit of ‘X’.

What is the lowest possible integer that is divisible by each of the integers 1 through 7, inclusive?

How many prime numbers between 1 and 100 are factors of 7150?

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