What is Unit Digit ?

Last digit of any number is called ' unit digit'

Consider

15**7**   here **7** is its unit digit

     896**5**   here **5** is its unit digit.

<u>Definition</u>: If we divide any number by 10 we get remainder as unit digit.

It is possible to add , subtract or multiply unit digit

like

Ex 1   12**3** + 15**4** + 17**1**

   3 + 4 +1 = **8**

Unit digit of answer of this problem is 8

Ex 2

Consider 14**3** × 13**5** × 19**7**

In this multiplication unit number of answer will be

    3 × 5 × 7 = **5**

In this multiplication unit number will be 5

Note: If we get negative answer while finding unit digit , we add 10 to get positive unit digit.

Ex 5

$(871)^2 - (247)^2 = 1^2 - 7^2 = 1 - 9 = -8$

unit digit will not be -8 , it will be -8 +10 = 2

So in this case unit digit is 2