PRINCIPAL SHANKAR BAGDE'S METHOD OF PERFECT SQUARE

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If n is non zero integer, then n x n written as n^2 is called square of n.

Hence square of a number can be found by multiplying it by itself.

Every natural number has a perfect square. There are so many methods of getting a perfect squareofnaturalnumbers.Whilethe author, teaching mathematics in the class, found a different method of perfect Square. The weightage of this method is that anybody can get square of any natural numbers

PRINCIPAL SHANKAR BAGDE'S METHOD OF SQUARE

Example No.1 :- Find the Perfect Square of 12

i.e.12^2= ?

Solution:-

- *Given number*   12
- *Add right hand side digit /number -excludingt left hand side first digit*   + 2
- *We get answer and then add No. of Zero/Zeroes equal to number of digit in the given number minus one*   140

   then multiply by - left hand side first digit   x 1

   of a given number.   140

   Add the square of a digit /a number   + 4 .

   except left hand side of first dgit)   144 .

Ans. $12^2 = 144$

Example No.2 :- Find the Perfect Square of 79

i.e.$79^2 = ?$

Solution:-

- *Given number*   79
- *Add right hand side digit*
  (except left hand side first digit)   + 9
- *We get answer and then add No. of*   _____
  Zero equalto number of digit
  in the given number minus one   880

  then multiply by left hand side first digit
  of a given number   x 7
                                                                 _____
                                                                 6160
- *Add square of a digit* $9^2 = 81$ + 81
  (the square of a digit   6241   Ans.

  except left hand side of first dgit)

Ans. $79^2 = 6241$

Example No.3 :- Find the Perfect Square of 279

i.e.$279^2 = ?$

Solution:-

- *Given number*   279
- *Add right hand sidenumber*
  (excluding left hand side first digit)   + 79
- *We get answer and then add No. of*   _____
                                                                 35800
  Zero equalto number of digit
  in the given number minus one
  then multiply by left hand side first digit
  of a given number   x 2
                                                                 _____
                                                                 71600
- *Add square of a number* $79^2 = 6241$ + 6241
  (the square of a number   77841

except left hand side of first dgit) Ans. $279^2 = 77841$.

Example No.4 :- Find the Perfect Square of 5279

i.e. $5279^2 = ?$

Solution:-

- *Given number* 5279

- *Add right hand sidenumber*
  excluding left hand side first digit) + 279

- *We get answer and then add No. of*
  Zeros equal to number of digit 555 8000
  in the given number minus one
  then multiply by left hand side first digit
  of a given number

  x 5
  27790000

- *Add square of a number* $279^2 = 77841$ + 77841
  (the square of a number 27867841
  Ans.
  except left hand side of first dgit)

$$5279^2 = 27867841.$$