12th May, 2020

SATISH CHANDRA MEMORIAL SCHOOL

Class: VIII Ch : 6 (Squares & Square Roots)

Worksheet -1

1. Write the squares of first ten natural numbers.

2. Write the numbers which are perfect squares:
   a) 1000
   b) 36000
   c) 8100
   d) 10000
   e) 490

3. Observe the units digit of the following and write the numbers which are not perfect squares:
   a) 81
   b) 2557
   c) 1498
   d) 256
   e) 1093

4. Write each of the following as squares of a natural number:
   a) 36 = _____ b) 49 = _____ c)144 = _____
   d) 121 = _____ e) 225 = _____ f) 81 = _____
   g) 169 = _____ h) 256 = _____ i) 400 = _____

5. Write, if the square of each of the following numbers is odd or even
   a) 42 = _____ b) 33 = _____ c) 331 = _____
   d) 121 = _____ e) 110 = _____ f) 60 = _____

6. Find the value of : [Hint : $a^2 - b^2 = (a + b)(a - b)$]
   a) $68^2 - 66^2 =$ _____
   b) $73^2 - 71^2 =$ _____
   c) $32^2 - 30^2 =$ _____
   d) $99^2 - 97^2 =$ _____

7. Without adding find the following:
   a) 1+3+5+7+9
   b) 1+3+5+7+9+11+13