Chapter 6 – Square and Square Roots.

1) Find the square of the following numbers without actual multiplication
(i) 39 (ii) 42

2) Write a Phythagorean triplet whose smallest member is 8.

3) Find the Phythagorean triplet in which one member is 12.

4) Find the square root of 6400

5) Is 90 a perfect square?

6) Is 2352 a perfect square? If not, find the smallest multiple of 2352 which is a perfect square.

7) Find the smallest number by which 9408 must be divided so that the quotient is a perfect square. Find the square root of the quotient.

8) Find the smallest square number which is divisible by each of the numbers 6, 9 and 15.

9) Find the square root using division method: (i) 729 (ii) 1296

10) Find the least number that must be subtracted from 5607 so as to get a perfect square. Also find the square root of the perfect square.

11) Find the greatest 4-digit number which is perfect square.

12) Find the least number that must be added to 1300 so as to get a perfect square. Also find the square root of the perfect square.

13) Find the square root of 12.25

14) Area of a square plot is $2304\ m^2$. Find the side of the square plot.

15) There are 2401 students in a school P.T. teacher wants them to stand in rows and columns such that the number of rows is equal to the number of columns. Find the number of rows.