



VASISHTHA GENESIS SCHOOL, BABEN, BARDOLI

Name: _____ Roll.No: _____ Date: _____
Standard:VIII Subject: Mathematics Revision Worksheet [Chp 1 A Square And A Cube]
A/B/C/D [Chp-3 A Story Of Numbers]

1.	Find the Square of 86 by Columnn and Diagonal Method.
2.	Find the Square root and Cube root by Prime factorisation method for 15625
3.	Find the Pythagorean Triplet whose one of the member is 24.

4.

Simplify .

a) $\sqrt{40} + \sqrt{81}$

b) $(\sqrt{12^2 + 16^2})^3$

5.

Three number are in the ratio 1 : 2 : 3. The sum of their cubes is 79092. Find the numbers.

6.

Find the smallest whole number by which 1125 should be divided so as to get a perfect square. Also, find the square root of the square number so obtained.

7.	Find the least four digit number which is a perfect square.
8.	If the cube of $1 + \frac{3}{5}$ is $4 + \frac{x}{125}$ find the value of x .
9.	In a right angled triangle ABC, angle B =90°. If AB = 7 cm, BC = 24cm, find AC.

10.	Convert the following into Roman Numerals a) 3786 b) 5542
11.	Represent the following in the Mesopotamian system. a) 3605 b) 7530
12.	Represent the following using the Mayan system. a) 361 b) 100
13.	Represent the following in the Egyptian system. a) 10458 b) 1111
14.	Represent and write the number 113 by using the symbols of base-5 system.