INTERNATIONAL INDIAN SCHOOL – TABUK

WORKSHEET – CLASS VIII (MATHEMATICS)

CHAPTERS: SQUARES AND SQUARE ROOTS : CUBES AND CUBE ROOTS

1. The cube root of a perfect negative cube number is _____

2. 2700 is a perfect cube number. True / False.

3. $\sqrt[3]{625} =$

4. A perfect cube can end with exactly _____ zeroes

5. Is 2160 a perfect cube? If not which smallest natural number should 2160 be divided so that the quotient is a perfect cube?

6. Is 5400 a perfect cube? If not , find the smallest number by which 5400 must be multiplied to get a perfect cube.

7. Find the cube root of 17576 by estimation method.

8. Find the cube root of each of the following

(a) 132651 (b) 2744 (c) 343000

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

10 Find the square number without actual multiplication 125^2

11. In a right angled triangle angle B is 90° if AC = 13cm and BC = 5cm find length of AB.

12. Find the Pythagorean triplet in which one member is 12.

13. In an auditorium the number of rows is equal to number of chairs in each row. If the capacity of the auditorium is 1764. Find the number of chairs in each row.

14. Find the square root of the following a) 156.23 b) 53.59 (up to two decimal place)

15. Find the square root by the division method a) 8464 b) 7921

16. Find the square root using prime factorization method a) 3969 b) 8836

17. Is (1,2,3) a Pythagorean triplet ?
