ST. LAWRENCE HIGH SCHOOL

A JESUIT CHRISTIAN MINORITY INSTITUTION

CLASS 8

SUBJECT :ArithmeticWork sheet10

Marks:15SquaresandSquare roots

Date:15.2.21

Answer all thefollowing questions(1×15=15)

1. Sum of squares of two numbers is 145. If square root of one number is 3, find the other number.

(a) 136

(b) 8

(c) 9

(d) 64

2. The square of 23 is :

(a) 529

(b) 526

(c) 461

(d) 429

3. Which of the following number would have digit 1 at units place ?

(a) 81^2

(b) 18^2

(c) 54^2

(d) 95^2

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

(a) 9990

(b) 9801

(c) 9999

(d) None of these

5. The square of which of the following would be odd number?

(a) 431

(b) 272

(c) 1234

(d) 7928

6. Between 50 and 60, the perfect square number is

(a) 56

(b) 55

(c) 54

(d) None of these

7. Which of 1052, 2162, 3332 and 1112 would end with digit 1 ?

(a) 1052

(b) 2162

(c) 3332

(d) 1112

8. Which of the following arc the factors of $1 – x^2$?

(a) (x + l) (x – l)

(b) (1 – x) (1 + x)

(c) (1 – x) (1 – x)

(d) (1 + x) (1 + x)

9. Which is the greatest three-digit perfect square?

(a) 999

(b) 961

(c) 962

(d) 970

10. What will be the number of digits in the square root of 25600?

(a) 3

(b) 2

(c) 5

(d) 4

11. When a square number ends in _____, the number whose square it is, will have either 4 or 6 in unit's place.

(a) 2

(b) 3

(c) 6

(d) 0

12. Find the perfect square numbers between 30 and 40.

(a) 36

(b) 49

(c) 25

(d) None of these

13. By which smallest number 90 must be multiplied so as to make it a perfect square ?

(a) 10

(b) 2

(c) 5

(d) 3

14. What is the length of the side of a square whose area is 441 cm2 ?

(a) 21

(b) 22

(c) 20

(d) 12

15. What will be the number of zeros in the square of 60?

(a) 1

(b) 2

(c) 3

(d) None of these

Indranil Ghosh