



ST. LAWRENCE HIGH SCHOOL



A JESUIT CHRISTIAN MINORITY INSTITUTION

CLASS 8

SUBJECT :ArithmeticWork sheet10 Answer key

Marks:15SquaresandSquare roots

Date:15.2.21

Answer all the following 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

▶ (b) 8

2. The square of 23 is :

(a) 529

(b) 526

(c) 461

(d) 429

▶ (a) 529

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

▶ (a) 81^2

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

(a) 9990

(b) 9801

(c) 9999

(d) None of these

► (b) 9801

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

(a) 431

(b) 272

(c) 1234

(d) 7928

► (a) 431

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

(a) 56

(b) 55

(c) 54

(d) None of these

► (b) 55

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

(a) 1052

(b) 2162

(c) 3332

(d) 1112

► (d) 1112

8. Which of the following are the factors of $1 - x^2$?

(a) $(x + 1)(x - 1)$

(b) $(1 - x)(1 + x)$

(c) $(1 - x)(1 - x)$

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

► (b) $(1 - x)(1 + x)$

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

(a) 999

(b) 961

(c) 962

(d) 970

► (b) 961

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

(a) 3

(b) 2

(c) 5

(d) 4

► (a) 3

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

► (c) 6

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

(a) 36

(b) 49

(c) 25

(d) None of these

► (a) 36

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

► (a) 10

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

(a) 21

(b) 22

(c) 20

(d) 12

► (a) 21

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

(a) 1

(b) 2

(c) 3

(d) None of these

► (b) 2

Indranil Ghosh

