



ST. LAWRENCE HIGH SCHOOL



A JESUIT CHRISTIAN MINORITY INSTITUTION

CLASS 8

SUBJECT :Algebra & Geometry

Work sheet 3 Answer key

Marks:15

Exponents

Date:23.1.2021

Answer all the following questions(1×15=15)

1. The exponential form of 10000 is

- (a) 10^3
- (b) 10^4**
- (c) 10^5
- (d) none of these

2 The exponential form of 100000 is

- (a) 10^3
- (b) 10^4
- (c) 10^5**
- (d) none of these.

3. The exponential form of 81 is

- (a) 3^4**
- (b) 3^3
- (c) 3^2
- (d) none of these.

4. The exponential form of 125 is

- (a) 5^4
- (b) 5^3**
- (c) 5^2
- (d) none of these.

5. The exponential form of 32 is

- (a) 2^3
- (b) 2^4
- (c) 2^5**
- (d) none of these.

6. The exponential form of 243 is

- (a) 3^5
- (b) 3^4
- (c) 3^3
- (d) 3^2 .

7. The exponential form of 64 is

- (a) 2^5
- (b) 2^6
- (c) 2^7
- (d) 2^8 .

8. The exponential form of 625 is

- (a) 5^2
- (b) 5^3
- (c) 5^4
- (d) 5^5 .

9. The exponential form of 1000 is

- (a) 10^1
- (b) 10^2
- (c) 10^3
- (d) 10^4 .

10. The value of $(-2)^3$ is

- (a) 8
- (b) **-8**
- (c) 16
- (d) -16.

11. The value of $(-2)^4$ is

- (a) 8
- (b) -8
- (c) 16
- (d) **-16**

12. What is the base in 8^2 ?

- (a) **8**
- (b) 2
- (c) 6
- (d) 10.

13. What is the exponent in 8^2 ?

- (a) 8
- (b) 2**
- (c) 16
- (d) 6.

14. $(-1)^{\text{even number}} =$

- (a) -1
- (b) 1**
- (c) 0
- (d) none of these

15. $0 \times 10^4 =$

- (a) 0**
- (b) 10^4
- (c) 1
- (d) none of these.

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