



ST. LAWRENCE HIGH SCHOOL

A Jesuit Christian Minority Institution

WORK SHEET - 2

CLASS -VI



SUBJECT – ALGEBRA-GEOMETRY CHAPTER 12 – EXPONENTS
TOPIC – Laws of Exponents

F.M – 15
DATE - 18.01.21

Multiple choice questions : (Select the correct option)

1. $a^m \times a^n = a^{\text{---}}$

a) $m + n$ b) $m - n$ c) mn d) none of these.

2. To raise a power to a power, keep the ____ and multiply the exponents.

a) cone b) cube c) base d) rectangle.

3. $a^n \times b^n = (ab)^{\text{---}}$

a) n b) a c) b d) 1

4. $a^m \div a^n = a^{\text{---}}$

a) $m + n$ b) $m - n$ c) mn d) none of these.

5. $a^0 = \text{---}$

a) 0 b) 3 c) 1 d) 2

6. $-1^{53} = \text{---}$

a) 1 b) -1 c) 0 d) 2

7. $-1^{106} = \text{---}$

a) 1 b) -1 c) 0 d) 2

8. $2^2 \times 5^2 = \text{---}$

a) 1000 b) 10 c) 1 d) 100

9. Five cube to the power 2 is five to the power ____

a) 8 b) 9 c) 6 d) none of these.

10. $-8^0 = \text{---}$

a) 0 b) 3 c) 1 d) 2

11. If a is any number and n is a natural number then a to the power $n = a \times a \times a \times a \times a \dots$ multiplied ____ times.

a) a b) 1 c) n d) none of these.

12. $8^6 \div 8^2 = \underline{\hspace{2cm}}$

a) 8^5 b) 8^7 c) 8^3 d) 8^4

13. $-1^2 = \underline{\hspace{2cm}}$

a) 0 b) 3 c) 1 d) 2

14. $\left(\frac{3}{7}\right)^0 = \underline{\hspace{2cm}}$

a) 0 b) 3 c) 2 d) 1

15. $15^0 = \underline{\hspace{2cm}}$

a) 0 b) 3 c) 1 d) 2

By – U James Riju