

MCQ WORKSHEET-I
CLASS VII: CHAPTER - 13
EXPONENTS AND POWERS

1. Express 256 as a power 4.
(a) 4^8 (b) 2^8 (c) 4^4 (d) none of these
2. Express 729 as a power of 3
(a) 3^8 (b) 3^6 (c) 9^3 (d) none of these
3. Express 2048 as a power 2.
(a) 2^{16} (b) 2^8 (c) 4^8 (d) none of these
4. Which one is greater?
(a) 2^3 (b) 3^2 (c) 1^8 (d) 4^2
5. Express 432 as a product of powers of prime factors.
(a) $2^3 \times 3^3$ (b) $2^4 \times 3^3$ (c) 16×27 (d) none of these
6. The value of $(-1)^{55}$ is
(a) -1 (b) 1 (c) 0 (d) none of these
7. The value of $(-1)^{500}$ is
(a) -1 (b) 1 (c) 0 (d) none of these
8. The value of 2^8 is
(a) 128 (b) 256 (c) 512 (d) none of these
9. Simplify and write in exponential form of $2^2 \times 2^5$
(a) 2^3 (b) 2^7 (c) 128 (d) none of these
10. Simplify and write in exponential form of $(-4)^{100} \times (-4)^{20}$
(a) $(-4)^{120}$ (b) $(-4)^{80}$ (c) $(-4)^{2000}$ (d) none of these
11. Simplify and write in exponential form of $5^2 \times 5^7 \times 5^{12}$
(a) 5^3 (b) 5^7 (c) 5^{21} (d) none of these
12. The value of 2^2
(a) 3 (b) 10 (c) 4 (d) 7
13. The exponent in the expression 3^7 is _____.
(a) 1 (b) 7 (c) 0 (d) 3
14. The value of 3^0 is _____.
(a) 0 (b) 3 (c) 1 (d) None of these
15. Multiplicative inverse of $\frac{1}{7}$ is _____.
(a) 49 (b) 5 (c) 7 (d) -14