

MCQ WORKSHEET-I
CLASS VIII: CHAPTER - 12
EXPONENTS AND POWERS

Q1: Express 256 as a power 4.

- (a) 48 (b) 28 (c) 44 (d) none of these

Q2: Express 729 as a power of 3

- (a) 38 (b) 36 (c) 93 (d) none of these

Q3: Express 2048 as a power 2.

- (a) 216 (b) 28 (c) 48 (d) none of these

Q4: Which one is greater?

- (a) 23 (b) 32 (c) 18 (d) 42

Q5: 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

Q6: The value of $(-1)^{55}$ is

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

Q7: The value of $(-1)^{500}$ is

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

Q8: The value of 28 is

- (a) 128 (b) 256 (c) 512 (d) none of these

Q9: Simplify and write in exponential form of $2^2 \times 2^5$

- (a) 23 (b) 27 (c) 128 (d) none of these

Q10: 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

Q11: Simplify and write in exponential form of $52 \times 57 \times 512$

- (a) 53 (b) 57 (c) 521 (d) none of these

Q12: The value of 22

- (a) 3 (b) 10 (c) 4 (d) 7

Q13: The exponent in the expression 37 is .

- a) 1 (b) 7 (c) 0 (d) 3

Q14: The value of 30 is .

- (a) 0 (b) 3 (c) 1 (d) None of these

Q15: Multiplicative inverse of $1/7$ is

- (a) 49 (b) 5 (c) 7 (d) -14