

**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)  $16 \times 27$                       (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
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