



INDIAN SCHOOL NIZWA - WORKSHEET

Chapter 1 A square and a cube

Name:

Class :VIII Sec:

Multiple choice questions

1. Which of the following is a perfect square?
A. 1057 B. 625 C. 7928 D. 64000
2. How many natural numbers lie between 19^2 and 20^2 ?
A. 37 B. 38 C. 39 D. 40
3. What is the sum of the first four odd natural numbers?
A. 16 B. 17 C. 18 D. 20
4. The value of $11^2 - 1$ is equal to:
A. 81 B. 80 C. 120 D. none of these
5. What will be the number of zeros in square of 8000?
A. 2 B. 3 C. 4 D. 6
6. If 5278 is squared, then what digit will be at its unit's place?
A. 8 B. 7 C. 4 D. 6
7. Which of the following is a perfect square?
A. 32 B. 66 C. 81 D. 101
8. Find the greatest four-digit number that is a perfect square.
A. 9990 B. 9801 C. 9999 D. none of these
9. The square root of 4489 is:
A. 63 B. 64 C. 65 D. 67
10. The square of which of these will have 1 at the unit place?
A. 17 B. 16 C. 15 D. 19
11. What is the length of side of a square, if the area of square is 484 cm^2 ?
A. 24 cm B. 22 cm C. 28 cm D. 39 cm
12. Assertion (A): To make $2^5 \times 3^3 \times 5^2 \times 7$ a perfect square, it must be multiplied by $2 \times 3 \times 7$.
Reason (R): A perfect square must have even exponents for all prime factors.
A. Both A and R are true and R is the correct explanation of A
B. Both A and R are true but R is not the correct explanation of A
C. A is true but R is false
D. A is false but R is true
13. Assertion (A): 1156 is a perfect square.
Reason (R): The prime factorization of 1156 is $2^2 \times 17^3$
A. Both A and R are true and R is the correct explanation of A
B. Both A and R are true but R is not the correct explanation of A
C. A is true but R is false
D. A is false but R is true
14. The least number to be multiplied with $2^3 \times 3^2 \times 5^3$ to make it a perfect square is:
A. 2 B. 5 C. 10 D. 15
15. Which of the following is a perfect square?
A. 2025 B. 2032 C. 2048 D. 1027