

SQUARE ROOT

1. which of the following numbers are perfect squares?
a) 625 (b) 841 (c) 856 (d) 941 e) 529
2. Find the square root of 1000.
3. Find the smallest number by which the given number must be divided so that the resulting number is a perfect square.
a) 2904 (b) 600 (c) 3645 (d) 1800
4. Solve $\sqrt{180} - \sqrt{80}$
5. Find the square root of $48 \times 20 + 64 \times 10$.
6. Find the square root of $25^2 - 20^2$
7. Find the smallest number by which the given number must be multiplied so that the resulting number is a perfect square.
a) 7688 (b) 675 (c) 1008 (d) 1875
8. which of the following numbers are perfect squares?
12, 16, 25, 32, 36, 41, 50, 64, 78, 81
9. The area of a square book is 225 square units. Find the side of the square.
10. The ages of two brother differs by 2 , and the sum of their ages is 14. Find the square root of the sum of the square of their ages
11. Using prime factorization method, find which of the following numbers are perfect squares?
a) 441 (b) 186 (c) 343 (d) 2961
12. The age of a person is 10 years more than the square root of the age of his father. Also the difference between his age, and the age of his father is 32 years. Find the age of the person
13. The square root of $\sqrt{360000}$ is equal to _____ .
14. Write 484 as the product of prime factors, and find its square root?

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1. Given that $\sqrt{4225}=65$, the value of $\sqrt{0.4225}+\sqrt{42.25}$ is:
2. The area of the square field is 234.09 m^2 . The perimeter of the field is
3. The sum of first n odd natural numbers is
4. The value of x in $\sqrt{1+\frac{25}{144}} = 1+\frac{x}{12}$ is
5. A perfect square can never have the following digit in its ones place
6. Find the value of $\sqrt{176+\sqrt{2401}}$
7. Find the least number which must be subtracted from 2361 to make it a perfect square?
8. Find the least number which when added to 4529 to make it a perfect square?
9. The students of a class arranged a gift for the Principal. Each student contributed as many rupees as the number of students in the class. If the total contribution is Rs. 2025, find the strength of the class.
10. 625 adults are to be sit in a Theater in such a way that each row contains as many adults as the number of rows. Find the number of rows and the number of adults in each row.
11. If one number of Pythagorean triplet is $m^2 - 1$, then other numbers are ___?
12. What is the square number nearest to 2000 is _____.
13. Convert the mixed root $3\sqrt{5}$ into simple square root.
14. Find the square root of $12(70 + 50)$.
15. $\sqrt{9}$ is

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1. If $x = 8$, what is the square root of $x^3 - 4x^2$.
2. Find the square root of 0.0009.
3. The square roots of 1436 is
4. Find the greatest number of two digit s which is perfect square.
5. Find the least number of three digit s which is perfect square.
6. The following numbers are not perfect squares. Give reason.
a) 442 (b) 2967 (c) 7833 (d) 4368
7. What will be the unit's digit of the squares of the following numbers?
a) 42 (b) 967 (c) 4563 (d) 3156
8. The product of two numbers is 2116. if one number is 16 times the other find the numbers
9. Find the square root of 256 by prime factorisation .
10. Find the square root of $\frac{196}{144}$ by prime factorisation
11. Find the square root of 2.89 by prime factorisation
12. Find the square root of 529 by division method.
13. A number ending with _____ is never a perfect square.
14. Find the greatest number of five digits which is a perfect square.
15. Which among 34^2 , 47^2 , 62^2 , 79^2 would end with digit 1?