

8. A gardener has 1000 plants. He wants to plant these in such a way that the number of rows and the number of columns remain same. Find the minimum number of plants he needs more for this.
9. There are 500 children in a school. For a P.T. drill they have to stand in such a manner that the number of rows is equal to number of columns. How many children would be left out in this arrangement.

Example 7: Find the cube root of 13824 by prime factorisation method.

128. A 5.5m long ladder is leaned against a wall. The ladder reaches the wall to a height of 4.4m. Find the distance between the wall and the foot of the ladder.

131. Find the smallest square number divisible by each one of the numbers 8, 9 and 10.

132. The area of a square plot is $101\frac{1}{400}$ m². Find the length of one side of the plot.

136. $\left\{ 5^2 + (12^2)^{\frac{1}{2}} \right\}^3$