1. Find the cube root of each of the following numbers by prime factorisation method.

(ii) 512

(vi) 13824

(x) 91125

3. Find the smallest number by which each of the following numbers must be divided to obtain a perfect cube.

(i) 81

(v) 704

4. Parikshit makes a cuboid of plasticine of sides 5 cm, 2 cm, 5 cm. How many such cuboids will he need to form a cube?

2. Write a Pythagorean triplet whose one member is.

(iii) 16

(iv) 18

Example 13: Find the square root of 12.25.

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.

1. Express the following as the sum of two consecutive integers.

(ii) 13^2 (iii) 11^2

Find the one's digit of the cube of each of the following numbers.

(iii) 149

(vii) 5022