

Worksheet –A10

Subject: - Mathematics

Class: - VIII

Teacher: - Ms. Neeru

Name: _____ Class & Sec: _____ Roll No. _____ Date: __.08.2020

Question 8:**Exercise 6.4**

A gardener has 1000 plants. He wants to plant these in such a way that the number of rows and number of columns remain same. Find the minimum number of plants he needs more for this.

Answer 8:

Here, plants = 1000

Since remainder is 39. Therefore $31^2 < 1000$

Next perfect square number $32^2 = 1024$

Hence, number to be added = $1024 - 1000 = 24$

$\therefore 1000 + 24 = 1024$

Hence, the gardener required 24 more plants.

	31
3	$\overline{10\ 00}$
	- 9
61	100
	- 61
	39

Question 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?

Answer 9:

Here, Number of children = 500

By getting the square root of this number, we get,

In each row, the number of children is 22.

And left out children are 16.

	22
2	$\overline{5\ 00}$
	- 4
42	100
	- 84
	16