

VIDYA BHAWAN, BALIKA VIDYAPITH

Shakti Utthan Ashram, Lakhisarai-811311(Bihar)

(Affiliated to CBSE up to +2 Level)

CLASS: VIII

SUB.: MATHS

DATE: 27 -05-2021

SQUARE ROOTS

1. Find the least number which must be added to each of the following numbers so as to get a

perfect square. Also find the square root of the perfect ware so obtained.

(i) 525

(ii) 1750

(iii) 252

(iv) 1825

(v) 6412

Sol: (i) Since, we get a remainder 41.



i.e. 525 > 22².

and next square number is 23.

 \therefore The required number to be added = 232 – 525

= 529 - 525 = 4

Now, 524 + 4 = 529, and = 23.

2. Find the least nti,nllc'r" which must be subtracted from each of the following numbers. so as

to get a perfect square. Also find the square root of the perfect square so obtained.

(i) 402 (ii) 1989 (iii) 3250 (iv) 825 (v) 4000

Sol: (i) On proceeding to find the square root of 402, we have

Since, we get a remainder 2

The required least number to be subtracted from 402 is 2.

$$402 - 2 = 400$$
, and $\sqrt{400} = 20$
 $2 \boxed{402}$