

IDYA SHREE ACADE SR. SEC. SCHOOL





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Subject: Maths Class: 8 Topic: Exponents and Powers

Watch video #10 and solve the following exercise:

EXERCISE 3.5

Use Cordova Smart Class Software on the smart board in class to do Exercise.

Find the square root of the following by division method:

1. 9801

2. 54756

3. 8649

4. 4489

5. 3249

6. 10201

7. 12100

8. 27225

9. 20449

10. 29241

11. 26569

12. 57121

EXERCISE 3.6

Use Cordova Smart Class Software on the smart board in class to do Exercise.

- 1. Without calculating the square root, find the number of digits in the square root of the following numbers:
 - (i) 36864
- (ii) 28900
- (iii) 106276
- (iv) 4507129

- (v) 32400
- (vi) 5625
- (vii) 24336
- 2. Find the greatest 5-digit number which is a perfect square.
- 3. Find the least number of four digits which is a perfect square.
 - 4. Find the least number which must be subtracted from each of the following numbers to make it a perfect square:
 - (i) 5045
- (ii) 18265
- (iii) 194491
- (iv) 26535
- 5. Find the least number which must be added to each of the following numbers to make it a perfect square
 - (i) 3720
- (ii) 115580
- (iii) 4931