EduSahara™ Assignment

Name : Squares and Square Roots

Chapter : Squares and Square Roots

Grade : CBSE Grade VIII

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1. Which of the following is a perfect square?

   (i) 1154 (ii) 2402 (iii) 1224 (iv) 100 (v) 2404

2. Which of the following is not a perfect square?

   (i) 1442 (ii) 2500 (iii) 324 (iv) 100

3. What is the unit place digit in the square of 41?

   (i) 3 (ii) 8 (iii) 1 (iv) 6 (v) 4

4. If a number has 4 zeros at the end, its square has how many zeros?

   (i) 9 (ii) 7 (iii) 5 (iv) 8 (v) 10

5. Find the number of numbers between 6^2 and 7^2

   (i) 13 (ii) 11 (iii) 14 (iv) 9 (v) 12

6. How many digits are there in the square root of 1681?

   (i) (-1) (ii) 2 (iii) 3 (iv) 5 (v) 1

7. How many digits are there in the square root of 600625?

   (i) 3 (ii) 4 (iii) 2 (iv) 6 (v) 1

8. Find the least number that must be subtracted from 535 to get a perfect square?

   (i) 5 (ii) 3 (iii) 7 (iv) 6 (v) 9

9. Find the least number that must be added to 246 to get a perfect square?

   (i) 11 (ii) 8 (iii) 9 (iv) 12 (v) 10

10. Find the smallest 2 digit number which is a perfect square?

    (i) 15 (ii) 14 (iii) 18 (iv) 16 (v) 17

11. Find the greatest 2 digit number which is a perfect square?

    (i) 82 (ii) 84 (iii) 78 (iv) 80 (v) 81

12. Find the smallest 3 digit number which is a perfect square?

    (i) 101 (ii) 97 (iii) 102 (iv) 100 (v) 99

13. Find the greatest 3 digit number which is a perfect square?

    (i) 959 (ii) 964 (iii) 961 (iv) 962 (v) 960

14. Find the smallest 4 digit number which is a perfect square?

    (i) 1025 (ii) 1023 (iii) 1026 (iv) 1021 (v) 1024

15. Find the greatest 4 digit number which is a perfect square?

(i) 9800 (ii) 9802 (iii) 9803 (iv) 9801 (v) 9799

16. Find the smallest 5 digit number which is a perfect square?

(i) 9997 (ii) 10002 (iii) 10001 (iv) 10000 (v) 9999

17. Find the greatest 5 digit number which is a perfect square?

(i) 99857 (ii) 99856 (iii) 99855 (iv) 99859 (v) 99853

18. Find the square root of 92.99

(i) 7.64 (ii) 8.64 (iii) 9.64 (iv) 10.64 (v) 11.64

19. Find the square root of 999.800

(i) 33.62 (ii) 30.62 (iii) 32.62 (iv) 29.62 (v) 31.62

20. Find the square root of 6119.2597

(i) 77.2257 (ii) 76.2257 (iii) 78.2257 (iv) 80.2257 (v) 79.2257

21. The smallest number by which 343 must be multiplied so that the product is a perfect square is?

(i) 9 (ii) 8 (iii) 7 (iv) 5 (v) 6

22. The smallest number by which 32 must be divided so that the quotient is a perfect square is?

(i) 2 (ii) (-1) (iii) 3 (iv) 1 (v) 4

23. Which of the following is a perfect square?

(i) 727 (ii) 49 (iii) 195 (iv) 1767 (v) 901

24. Which of the following is not a perfect square?

(i) 2206 (ii) 196 (iii) 324 (iv) 81 (v) 1764

25. What is the unit place digit in the square of 7?

(i) 9 (ii) 7 (iii) 0 (iv) 4 (v) 2

26. If a number has 2 zeros at the end, its square has how many zeros?

(i) 5 (ii) 4 (iii) 3 (iv) 6 (v) 2

27. Find the number of numbers between 5^2 and 6^2

(i) 10 (ii) 9 (iii) 7 (iv) 11 (v) 12

28. How many digits are there in the square root of 400?

(i) 3 (ii) (-1) (iii) 2 (iv) 1 (v) 5

29. How many digits are there in the square root of 270400?

(i) 0 (ii) 2 (iii) 3 (iv) 6 (v) 4

30. Find the least number that must be subtracted from 2417 to get a perfect square?

(i) 19 (ii) 14 (iii) 17 (iv) 15 (v) 16

31. Find the least number that must be added to 2017 to get a perfect square?

(i) 5 (ii) 7 (iii) 9 (iv) 10 (v) 8

32. Find the smallest 2 digit number which is a perfect square?

(i) 16 (ii) 17 (iii) 14 (iv) 19 (v) 15

33. Find the greatest 2 digit number which is a perfect square?

(i) 82 (ii) 79 (iii) 84 (iv) 81 (v) 80

34. Find the smallest 3 digit number which is a perfect square?

(i) 100 (ii) 99 (iii) 97 (iv) 101 (v) 102

35. Find the greatest 3 digit number which is a perfect square?

(i) 959 (ii) 962 (iii) 963 (iv) 961 (v) 960

36. Find the smallest 4 digit number which is a perfect square?

(i) 1026 (ii) 1022 (iii) 1024 (iv) 1025 (v) 1023

37. Find the greatest 4 digit number which is a perfect square?

(i) 9804 (ii) 9799 (iii) 9800 (iv) 9801 (v) 9802

38. Find the smallest 5 digit number which is a perfect square?

(i) 10002 (ii) 9999 (iii) 10000 (iv) 10001 (v) 9997

39. Find the greatest 5 digit number which is a perfect square?

(i) 99856 (ii) 99859 (iii) 99855 (iv) 99857 (v) 99854

40. Find the square root of 94.64

(i) 7.73 (ii) 10.73 (iii) 9.73 (iv) 11.73 (v) 8.73

41. Find the square root of 342.569

(i) 19.509 (ii) 16.509 (iii) 20.509 (iv) 17.509 (v) 18.509

42. Find the square root of 2901.6400

(i) 54.8669 (ii) 55.8669 (iii) 52.8669 (iv) 51.8669 (v) 53.8669

43. The smallest number by which 8 must be multiplied so that the product is a perfect square is?

(i) 3 (ii) 5 (iii) (-1) (iv) 2 (v) 1

44. The smallest number by which 2187 must be divided so that the quotient is a perfect square is?

(i) 1 (ii) 3 (iii) 5 (iv) 2 (v) 4

Assignment Key

1) (iv)	2) (i)	3) (iii)	4) (iv)	5) (v)	6) (ii)
7) (i)	8) (iv)	9) (v)	10) (iv)	11) (v)	12) (iv)
13) (iii)	14) (v)	15) (iv)	16) (iv)	17) (ii)	18) (iii)
19) (v)	20) (iii)	21) (iii)	22) (i)	23) (ii)	24) (i)
25) (i)	26) (ii)	27) (i)	28) (iii)	29) (iii)	30) (v)
31) (v)	32) (i)	33) (iv)	34) (i)	35) (iv)	36) (iii)
37) (iv)	38) (iii)	39) (i)	40) (iii)	41) (v)	42) (v)
43) (iv)	44) (ii)				

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