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) 196 (ii) 2305 (iii) 195 (iv) 398 (v) 172
- 2. Which of the following is not a perfect square?
 - (i) 16 (ii) 2304 (iii) 0 (iv) 361 (v) 1089
- 3. What is the unit place digit in the square of 16?
 - (i) 0 (ii) 6 (iii) 5 (iv) 4 (v) 1
- 4. If a number has 3 zeros at the end, its square has how many zeros?
 - (i) 8 (ii) 4 (iii) 6 (iv) 5 (v) 7
- 5. Find the number of numbers between 10^2 and 11^2
 - (i) 22 (ii) 17 (iii) 20 (iv) 19 (v) 21
- 6. How many digits are there in the square root of 5625?
 - (i) 3 (ii) 2 (iii) 4 (iv) 1 (v) (-1)
- 7. How many digits are there in the square root of 344569?
 - (i) 0 (ii) 6 (iii) 2 (iv) 4 (v) 3
- 8. Find the least number that must be subtracted from 1613 to get a perfect square?
 - (i) 15 (ii) 14 (iii) 13 (iv) 11 (v) 12
- 9. Find the least number that must be added to 2178 to get a perfect square?
 - (i) 31 (ii) 30 (iii) 34 (iv) 28 (v) 32
- 10. Find the smallest 2 digit number which is a perfect square?
 - (i) 17 (ii) 19 (iii) 16 (iv) 13 (v) 15
- 11. Find the greatest 2 digit number which is a perfect square?
 - (i) 81 (ii) 82 (iii) 84 (iv) 80 (v) 78
- 12. Find the smallest 3 digit number which is a perfect square?
 - (i) 101 (ii) 97 (iii) 100 (iv) 102 (v) 99
- 13. Find the greatest 3 digit number which is a perfect square?
 - (i) 964 (ii) 960 (iii) 958 (iv) 961 (v) 962
- 14. Find the smallest 4 digit number which is a perfect square?
 - (i) 1025 (ii) 1024 (iii) 1023 (iv) 1027 (v) 1021

15. Find the greatest 4 digit number which is a perfect square? (i) 9804 (ii) 9801 (iii) 9802 (iv) 9798 (v) 9800
16. Find the smallest 5 digit number which is a perfect square? (i) 9999 (ii) 10002 (iii) 10000 (iv) 10001 (v) 9998
17. Find the greatest 5 digit number which is a perfect square? (i) 99855 (ii) 99859 (iii) 99856 (iv) 99854 (v) 99857
18. Find the square root of 42.81 (i) 6.54 (ii) 5.54 (iii) 4.54 (iv) 7.54 (v) 8.54
19. Find the square root of 337.170 (i) 19.362 (ii) 17.362 (iii) 16.362 (iv) 18.362 (v) 20.362
20. Find the square root of 8750.7000 (i) 92.5452 (ii) 95.5452 (iii) 91.5452 (iv) 94.5452 (v) 93.5452
21. The smallest number by which 245 must be multiplied so that the product is a perfect square is? (i) 6 (ii) 2 (iii) 4 (iv) 5 (v) 7
22. The smallest number by which 6912 must be divided so that the quotient is a perfect square is? (i) 2 (ii) 5 (iii) 3 (iv) 0 (v) 4
23. Which of the following is a perfect square? (i) 960 (ii) 144 (iii) 258 (iv) 257 (v) 253
24. Which of the following is not a perfect square? (i) 1681 (ii) 1369 (iii) 1156 (iv) 1225 (v) 1023
25. What is the unit place digit in the square of 3? (i) 2 (ii) 7 (iii) 0 (iv) 9 (v) 3
26. If a number has 3 zeros at the end, its square has how many zeros? (i) 5 (ii) 6 (iii) 9 (iv) 7 (v) 4
27. Find the number of numbers between 11^2 and 12^2 (i) 24 (ii) 19 (iii) 23 (iv) 21 (v) 22
28. How many digits are there in the square root of 1024? (i) 1 (ii) 3 (iii) 4 (iv) (-1) (v) 2
29. How many digits are there in the square root of 355216? (i) 4 (ii) 5 (iii) 3 (iv) 0 (v) 2
30. Find the least number that must be subtracted from 178 to get a perfect square? (i) 6 (ii) 11 (iii) 9 (iv) 10 (v) 8

31.	Find the least number that must be added to 1073 to get a perfect square? (i) 17 (ii) 13 (iii) 15 (iv) 16 (v) 18
32.	Find the smallest 2 digit number which is a perfect square? (i) 15 (ii) 17 (iii) 19 (iv) 16 (v) 14
33.	Find the greatest 2 digit number which is a perfect square? (i) 82 (ii) 81 (iii) 84 (iv) 79 (v) 80
34.	Find the smallest 3 digit number which is a perfect square? (i) 99 (ii) 101 (iii) 100 (iv) 97 (v) 102
35.	Find the greatest 3 digit number which is a perfect square? (i) 963 (ii) 961 (iii) 960 (iv) 959 (v) 962
36.	Find the smallest 4 digit number which is a perfect square? (i) 1023 (ii) 1026 (iii) 1025 (iv) 1022 (v) 1024
37.	Find the greatest 4 digit number which is a perfect square? (i) 9800 (ii) 9801 (iii) 9803 (iv) 9798 (v) 9802
38.	Find the smallest 5 digit number which is a perfect square? (i) 9998 (ii) 9999 (iii) 10000 (iv) 10001 (v) 10002
39.	Find the greatest 5 digit number which is a perfect square? (i) 99855 (ii) 99856 (iii) 99857 (iv) 99859 (v) 99853
40.	Find the square root of 74.40 (i) 8.63 (ii) 10.63 (iii) 7.63 (iv) 9.63 (v) 6.63
41.	Find the square root of 192.130 (i) 14.861 (ii) 15.861 (iii) 11.861 (iv) 13.861 (v) 12.861
42.	Find the square root of 8426.6000 (i) 93.7965 (ii) 91.7965 (iii) 89.7965 (iv) 92.7965 (v) 90.7965
43.	The smallest number by which 242 must be multiplied so that the product is a perfect square is? (i) 1 (ii) 3 (iii) 2 (iv) 0 (v) 4
44.	The smallest number by which 648 must be divided so that the quotient is a perfect square is? (i) (-1) (ii) 2 (iii) 3 (iv) 1 (v) 5

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

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