EduSahara™ Worksheet

Name : Chapter Based Worksheet

Chapter : Square Root and Cube Root

Grade : ICSE Grade VIII

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

   (i) 80 (ii) 81 (iii) 83 (iv) 79 (v) 82

2. The smallest number by which 3456 must be divided so that the quotient is a perfect cube is?

   (i) 2 (ii) 4 (iii) 3 (iv) 0 (v) 1

3. The solution of $\sqrt{15}$ lies between

   (i) 3.7 and 3.8 (ii) 3.9 and 4.0 (iii) 4.0 and 4.1 (iv) 3.6 and 3.7 (v) 3.8 and 3.9

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

   (i) 962 (ii) 960 (iii) 958 (iv) 961 (v) 964

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

   (i) 99 (ii) 101 (iii) 102 (iv) 98 (v) 100

6. If a number has 3 zeros at the end, its square has how many zeros?

   (i) 7 (ii) 4 (iii) 5 (iv) 6 (v) 9

7. Which of the following is a perfect cube?

   (i) 345 (ii) 214 (iii) 511 (iv) 64 (v) 28

8. If $\sqrt{1156} = 34$, find the value of $\sqrt{0.1156}$

   (i) 8.34 (ii) 2.34 (iii) 0.03 (iv) 0.34 (v) 3.4

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

   (i) 576 (ii) 784 (iii) 625 (iv) 529 (v) 3

10. Find the value of $11^3 - 10^3$

    (i) 332 (ii) 329 (iii) 330 (iv) 331 (v) 333

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

    (i) 10001 (ii) 9999 (iii) 10000 (iv) 9998 (v) 10002

12. Find the cube root of -8

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

13. The smallest number by which 18 must be multiplied so that the product is a perfect square is?

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

14. Find the cube root of $(\frac{-27}{8})$

(i) $(\frac{-3}{4})$ (ii) $(\frac{-3}{2})$ (iii) -3 (iv) $(\frac{-1}{2})$ (v) $(\frac{-5}{2})$

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

(i) 99853 (ii) 99855 (iii) 99856 (iv) 99858 (v) 99857

16. The solution of $\sqrt{3}$ lies between

(i) 1.72 and 1.73 (ii) 1.71 and 1.72 (iii) 1.74 and 1.75 (iv) 1.75 and 1.76 (v) 1.73 and 1.74

17. Find the smallest perfect square which is divisible by each of the numbers 9,15,10

(i) 810 (ii) 1351 (iii) 1800 (iv) 900 (v) 902

18. Find the least number that must be subtracted from 1239 to get a perfect square?

(i) 17 (ii) 15 (iii) 13 (iv) 12 (v) 14

19. The solution of $\sqrt{13}$ lies between

(i) 3.6053 and 3.6054 (ii) 3.6056 and 3.6057 (iii) 3.6055 and 3.6056 (iv) 3.6054 and 3.6055

(v) 3.6057 and 3.6058

20. If $\sqrt{4096} = 64$, find the value of $\sqrt{40960000}$

(i) 6398 (ii) 6400 (iii) 640 (iv) 64000 (v) 6402

21. Find the cube root of 5832

(i) 15 (ii) 21 (iii) 327 (iv) 18 (v) 324

22. Find the number of numbers between 16^2 and 17^2

(i) 35 (ii) 33 (iii) 30 (iv) 31 (v) 32

23. Find the square root of $\frac{9}{4}$

(i) $\frac{3}{2}$ (ii) $\frac{5}{2}$ (iii) $\frac{3}{4}$ (iv) $\frac{1}{2}$ (v) 3

24. Find the least number that must be added to 349 to get a perfect square?

(i) 13 (ii) 15 (iii) 10 (iv) 12 (v) 11

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

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

Assignment Key

1) (ii)	2) (i)	3) (v)	4) (iv)	5) (v)	6) (iv)
7) (iv)	8) (iv)	9) (v)	10) (iv)	11) (iii)	12) (i)
13) (i)	14) (ii)	15) (iii)	16) (v)	17) (iv)	18) (v)
19) (iii)	20) (ii)	21) (iv)	22) (v)	23) (i)	24) (iv)
25) (i)					

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