EduSahara™ Assignment

Name : Squares and Square Roots

Chapter : Powers and Roots

Grade : ICSE Grade VII

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1. Find the square root of 4

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

2. Find the square root of $\frac{1}{25}$

   (i) $\frac{1}{7}$ (ii) $\frac{1}{3}$ (iii) $\frac{3}{5}$ (iv) $\frac{1}{5}$ (v) $(\frac{-1}{5})$

3. Which of the following is a perfect square?

   (i) 361 (ii) 2402 (iii) 1368 (iv) 574 (v) 2119

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

   (i) 1225 (ii) 400 (iii) 225 (iv) 1764 (v) 727

5. What is the unit place digit in the square of 8?

   (i) 4 (ii) 6 (iii) 9 (iv) 8 (v) 5

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

   (i) 5 (ii) 4 (iii) 1 (iv) 6 (v) 3

7. Find the smallest perfect square which is divisible by each of the numbers 16,6,4

   (i) 289 (ii) 768 (iii) 288 (iv) 144 (v) 146

8. How many digits are there in the square root of 8649?

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

9. How many digits are there in the square root of 78961?

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

10. Find the least number that must be subtracted from 146 to get a perfect square?

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

11. Find the least number that must be added to 2489 to get a perfect square?

    (i) 11 (ii) 8 (iii) 14 (iv) 12 (v) 10

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

    (i) 15 (ii) 17 (iii) 16 (iv) 13 (v) 18

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

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

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

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

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

(i) 962 (ii) 960 (iii) 961 (iv) 958 (v) 963

16. Find the square root of 16.83

(i) 3.1 (ii) 2.1 (iii) 6.1 (iv) 5.1 (v) 4.1

17. Find the square root of 477.900

(i) 21.861 (ii) 22.861 (iii) 23.861 (iv) 20.861 (v) 19.861

18. Find the square root of 5317.2000

(i) 71.9191 (ii) 70.9191 (iii) 72.9191 (iv) 73.9191 (v) 74.9191

19. The smallest number by which 243 must be multiplied so that the product is a perfect square is?

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

20. The smallest number by which 392 must be divided so that the quotient is a perfect square is?

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

21. $\sqrt{\frac{9}{196}} =$

(i) $\frac{5}{14}$ (ii) $\frac{1}{4}$ (iii) $\frac{3}{14}$ (iv) $\frac{3}{16}$ (v) $\frac{1}{14}$

22. $\sqrt{0.4900} =$

(i) 0.9 (ii) 0.6 (iii) 0.07 (iv) 0.7 (v) 0.8

23. Simplify $\frac{\sqrt{144}-\sqrt{4}}{\sqrt{121}+\sqrt{64}} =$

(i) $\frac{10}{19}$ (ii) $\frac{12}{19}$ (iii) $\frac{8}{19}$ (iv) $\frac{10}{21}$ (v) $\frac{10}{17}$

Assignment Key

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

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