EduSahara™ Assignment

Name : Squares and Square Roots

Chapter : Powers and Roots

Grade : ICSE Grade VII

1. Find the square root of 9

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

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

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

3. Which of the following is a perfect square?

   (i) 15 (ii) 2023 (iii) 962 (iv) 900 (v) 4

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

   (i) 64 (ii) 16 (iii) 841 (iv) 1224 (v) 324

5. What is the unit place digit in the square of 46?

   (i) 9 (ii) 7 (iii) 6 (iv) 0 (v) 8

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

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

7. Find the smallest perfect square which is divisible by each of the numbers 18,4,9

   (i) 72 (ii) 38 (iii) 145 (iv) 648 (v) 36

8. How many digits are there in the square root of 1600?

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

9. How many digits are there in the square root of 896809?

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

10. Find the least number that must be subtracted from 85 to get a perfect square?

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

11. Find the least number that must be added to 567 to get a perfect square?

    (i) 6 (ii) 10 (iii) 9 (iv) 8 (v) 11

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

    (i) 15 (ii) 16 (iii) 13 (iv) 17 (v) 19

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

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

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

    (i) 100 (ii) 97 (iii) 103 (iv) 99 (v) 101

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

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

16. Find the square root of 62.22

(i) 5.89 (ii) 8.89 (iii) 7.89 (iv) 9.89 (v) 6.89

17. Find the square root of 556.700

(i) 25.594 (ii) 21.594 (iii) 23.594 (iv) 22.594 (v) 24.594

18. Find the square root of 9346.1880

(i) 94.6757 (ii) 96.6757 (iii) 95.6757 (iv) 97.6757 (v) 98.6757

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

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

20. The smallest number by which 200 must be divided so that the quotient is a perfect square is?

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

21. $\sqrt{\frac{169}{9}}$ =

(i) 13 (ii) $\frac{11}{3}$ (iii) 5 (iv) $\frac{13}{3}$ (v) $\frac{13}{5}$

22. $\sqrt{1.6900}$ =

(i) 0.13 (ii) 1.2 (iii) 1.3 (iv) 1.5 (v) 1.4

23. Simplify $\frac{\sqrt{16}-\sqrt{144}}{\sqrt{4}+\sqrt{100}}$ =

(i) $(\frac{-1}{2})$ (ii) $(\frac{-4}{7})$ (iii) $(\frac{-4}{5})$ (iv) $(\frac{-2}{3})$ (v) $(\frac{-5}{6})$

Assignment Key

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