

**EduSahara™ Learning Center Assignment**

**Grade** : Class VII, ICSE  
**Chapter** : Powers and Roots  
**Name** : Squares and Square Roots  
**Licensed To** : Teachers and Students for non-commercial use

---

1. Find the square root of 25

(i) 7 (ii) 5 (iii) 6 (iv) 2 (v) 4

---

2. Find the square root of  $\frac{9}{16}$

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

---

3. Which of the following is a perfect square?

(i) 291 (ii) 1848 (iii) 1024 (iv) 2210 (v) 1367

---

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

(i) 36 (ii) 64 (iii) 225 (iv) 1022 (v) 1849

---

5. What is the unit place digit in the square of 43 ?

(i) 0 (ii) 4 (iii) 6 (iv) 1 (v) 9

---

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

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

---

7. Find the smallest perfect square which is divisible by each of the numbers 16, 12, 18

(i) 144 (ii) 146 (iii) 2304 (iv) 288 (v) 1729

---

8. How many digits are there in the square root of 2209 ?

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

---

9. How many digits are there in the square root of 69169 ?

(i) 5 (ii) 4 (iii) 3 (iv) 2 (v) 0

---

10. Find the least number that must be subtracted from 1173 to get a perfect square?

(i) 16 (ii) 18 (iii) 19 (iv) 17 (v) 14

---

11. Find the least number that must be added to 1581 to get a perfect square?

- (i) 18 (ii) 19 (iii) 20 (iv) 16 (v) 22
- 

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

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

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

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

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

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

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

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

16. Find the square root of 52.81

- (i) 7.27 (ii) 5.27 (iii) 8.27 (iv) 9.27 (v) 6.27
- 

17. Find the square root of 360.600

- (i) 18.989 (ii) 16.989 (iii) 20.989 (iv) 17.989 (v) 19.989
- 

18. Find the square root of 3698.0850

- (i) 60.8119 (ii) 61.8119 (iii) 62.8119 (iv) 58.8119 (v) 59.8119
- 

19. The smallest number by which 27 must be multiplied so that the product is a perfect square is?

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

20. The smallest number by which 128 must be divided so that the quotient is a perfect square is?

- (i) 0 (ii) 2 (iii) 1 (iv) 5 (v) 3
- 

21.  $\sqrt{\frac{49}{25}}$  =

- (i)  $\frac{9}{5}$  (ii)  $\frac{7}{5}$  (iii) 1 (iv)  $\frac{7}{3}$
-

22.  $\sqrt{0.0900} =$

- (i) 0.03 (ii) 0.4 (iii) 0.3 (iv) 0.2 (v) 0.5
- 

23. Simplify  $\frac{\sqrt{36} - \sqrt{9}}{\sqrt{81} + \sqrt{144}} =$

- (i)  $\frac{5}{21}$  (ii)  $\frac{1}{7}$  (iii)  $\frac{3}{23}$  (iv)  $\frac{1}{21}$  (v)  $\frac{3}{19}$
-

## Assignment Key

---

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