

EduSahara™ Learning Center Assignment

Grade : Class VIII, ICSE
Chapter : Square Root and Cube Root
Name : Squares and Square Roots
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1. Which of the following is a perfect square?

(i) 902 (ii) 323 (iii) 2023 (iv) 577 (v) 900

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

(i) 1444 (ii) 36 (iii) 254 (iv) 256 (v) 225

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

(i) 3 (ii) 4 (iii) 5 (iv) 0 (v) 6

4. Find the number of numbers between 8^2 and 9^2

(i) 15 (ii) 14 (iii) 16 (iv) 19 (v) 17

5. Find the smallest perfect square which is divisible by each of the numbers 16, 18, 8

(i) 2593 (ii) 288 (iii) 2304 (iv) 144 (v) 146

6. How many digits are there in the square root of 2304 ?

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

7. How many digits are there in the square root of 952576 ?

(i) 6 (ii) 4 (iii) 0 (iv) 3 (v) 2

8. Find the least number that must be subtracted from 2034 to get a perfect square?

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

9. Find the least number that must be added to 2163 to get a perfect square?

(i) 47 (ii) 44 (iii) 49 (iv) 46 (v) 45

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

(i) 14 (ii) 16 (iii) 17 (iv) 15 (v) 19

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

- (i) 82 (ii) 80 (iii) 81 (iv) 84 (v) 79
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12. Find the smallest 3 digit number which is a perfect square?

- (i) 102 (ii) 100 (iii) 99 (iv) 98 (v) 101
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13. Find the greatest 3 digit number which is a perfect square?

- (i) 964 (ii) 961 (iii) 959 (iv) 962 (v) 960
-

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

- (i) 1024 (ii) 1027 (iii) 1021 (iv) 1023 (v) 1025
-

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

- (i) 9801 (ii) 9803 (iii) 9800 (iv) 9799 (v) 9802
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16. Find the smallest 5 digit number which is a perfect square?

- (i) 9999 (ii) 9998 (iii) 10000 (iv) 10002 (v) 10001
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17. Find the greatest 5 digit number which is a perfect square?

- (i) 99853 (ii) 99859 (iii) 99855 (iv) 99856 (v) 99857
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18. The smallest number by which 432 must be multiplied so that the product is a perfect square is?

- (i) 2 (ii) 4 (iii) 1 (iv) 5 (v) 3
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19. The smallest number by which 3267 must be divided so that the quotient is a perfect square is?

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

20. If a number has 1 zeros at the end, its square has how many zeros?

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

21. Find the square root of 16

- (i) 4 (ii) 3 (iii) 6 (iv) 5 (v) 1
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22. Find the square root of $\frac{1}{9}$

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

Assignment Key

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