EduSahara™ Assignment

Name : Squares and Square Roots

Chapter : Square Roots and Cube Roots

Grade : SSC Grade VIII

License : Non Commercial Use

1. Which of the following is a perfect square?

   (i) 1370 (ii) 2116 (iii) 1680 (iv) 1022 (v) 578

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

   (i) 2401 (ii) 576 (iii) 439 (iv) 1521 (v) 361

3. Find the number of numbers between 7^2 and 8^2

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

4. Find the smallest perfect square which is divisible by each of the numbers 6,18,10

   (i) 902 (ii) 540 (iii) 1800 (iv) 1621 (v) 900

5. How many digits are there in the square root of 9604?

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

6. How many digits are there in the square root of 64516?

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

7. Find the least number that must be subtracted from 342 to get a perfect square?

   (i) 18 (ii) 17 (iii) 15 (iv) 19 (v) 20

8. Find the least number that must be added to 2014 to get a perfect square?

   (i) 10 (ii) 8 (iii) 13 (iv) 12 (v) 11

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

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

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

    (i) 81 (ii) 80 (iii) 78 (iv) 83 (v) 82

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

    (i) 102 (ii) 97 (iii) 100 (iv) 99 (v) 101

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

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

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

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

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

    (i) 9801 (ii) 9802 (iii) 9803 (iv) 9800 (v) 9799

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

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

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

(i) 99856 (ii) 99854 (iii) 99859 (iv) 99855 (v) 99857

17. Express 11^2 as the sum of two consecutive integers

(i) 62 + 59 (ii) 59 + 60 (iii) 61 + 62 (iv) 58 + 63 (v) 60 + 61

18. The smallest number by which 117 must be multiplied so that the product is a perfect square is?

(i) 10 (ii) 14 (iii) 15 (iv) 13 (v) 12

19. The smallest number by which 3125 must be divided so that the quotient is a perfect square is?

(i) 8 (ii) 4 (iii) 6 (iv) 5 (v) 2

20. What is the unit place digit in the square of 28?

(i) 7 (ii) 0 (iii) 4 (iv) 8 (v) 6

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

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

22. Find the square root of 9

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

23. Find the square root of $\frac{4}{25}$

(i) $\frac{2}{7}$ (ii) 0 (iii) $\frac{2}{3}$ (iv) $\frac{4}{5}$ (v) $\frac{2}{5}$

24. If $\sqrt{3025} = 55$, find the value of $\sqrt{30250000}$

(i) 5498 (ii) 5500 (iii) 550 (iv) 55000 (v) 5502

25. If $\sqrt{7056} = 84$, find the value of $\sqrt{705600}$

(i) 8400 (ii) 838 (iii) 842 (iv) 84 (v) 840

26. If $\sqrt{529} = 23$, find the value of $\sqrt{5.29}$

(i) 2.3 (ii) 23 (iii) 4.3 (iv) 0.2 (v) 0.3

27. If $\sqrt{7921} = 89$, find the value of $\sqrt{0.7921}$

(i) 2.89 (ii) 8.9 (iii) 8.89 (iv) 0.89 (v) 0.09

Assignment Key

1) (ii)	2) (iii)	3) (iii)	4) (v)	5) (ii)	6) (iv)
7) (i)	8) (v)	9) (iii)	10) (i)	11) (iii)	12) (ii)
13) (i)	14) (i)	15) (i)	16) (i)	17) (v)	18) (iv)
19) (iv)	20) (iii)	21) (iv)	22) (i)	23) (v)	24) (ii)
25) (v)	26) (i)	27) (iv)			

Copyright © Small Systems Computing Pvt. Ltd.