



1. Which of the following is a perfect square?
(i) 2399 (ii) 100 (iii) 1224 (iv) 903 (v) 290
2. Which of the following is not a perfect square?
(i) 35 (ii) 16 (iii) 529 (iv) 2401 (v) 196
3. Find the number of numbers between 4^2 and 5^2
(i) 8 (ii) 7 (iii) 9 (iv) 6 (v) 10
4. Find the smallest perfect square which is divisible by each of the numbers 15, 8, 4
(i) 7200 (ii) 1800 (iii) 961 (iv) 3602 (v) 3600
5. How many digits are there in the square root of 1225?
(i) 4 (ii) (-1) (iii) 1 (iv) 3 (v) 2
6. How many digits are there in the square root of 68644?
(i) 1 (ii) 3 (iii) 6 (iv) 2 (v) 4
7. Find the least number that must be subtracted from 102 to get a perfect square?
(i) 2 (ii) 1 (iii) 0 (iv) 3 (v) 4
8. Find the least number that must be added to 313 to get a perfect square?
(i) 13 (ii) 12 (iii) 10 (iv) 8 (v) 11
9. Find the smallest 2 digit number which is a perfect square?
(i) 18 (ii) 13 (iii) 17 (iv) 16 (v) 15
10. Find the greatest 2 digit number which is a perfect square?
(i) 80 (ii) 83 (iii) 82 (iv) 78 (v) 81
11. Find the smallest 3 digit number which is a perfect square?
(i) 97 (ii) 103 (iii) 100 (iv) 101 (v) 99
12. Find the greatest 3 digit number which is a perfect square?
(i) 962 (ii) 958 (iii) 960 (iv) 961 (v) 963
13. Find the smallest 4 digit number which is a perfect square?
(i) 1023 (ii) 1025 (iii) 1024 (iv) 1027 (v) 1021
14. Find the greatest 4 digit number which is a perfect square?
(i) 9799 (ii) 9804 (iii) 9802 (iv) 9801 (v) 9800

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

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

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

- (i) 99855 (ii) 99853 (iii) 99857 (iv) 99856 (v) 99859

17. Express 23^2 as the sum of two consecutive integers

- (i) $265 + 266$ (ii) $266 + 263$ (iii) $262 + 267$ (iv) $264 + 265$ (v) $263 + 264$

18. The smallest number by which 76 must be multiplied so that the product is a perfect square is?

- (i) 18 (ii) 20 (iii) 19 (iv) 17 (v) 22

19. The smallest number by which 8575 must be divided so that the quotient is a perfect square is?

- (i) 8 (ii) 10 (iii) 4 (iv) 7 (v) 6

20. What is the unit place digit in the square of 21?

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

21. If a number has 3 zeros at the end, its square has how many zeros?

- (i) 4 (ii) 6 (iii) 5 (iv) 7 (v) 9

22. Find the square root of 25

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

23. Find the square root of $\frac{4}{9}$

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

24. If $\sqrt{5776} = 76$, find the value of $\sqrt{57760000}$

- (i) 76000 (ii) 7600 (iii) 7602 (iv) 7598 (v) 760

25. If $\sqrt{3600} = 60$, find the value of $\sqrt{360000}$

- (i) 60 (ii) 6000 (iii) 602 (iv) 598 (v) 600

26. If $\sqrt{9801} = 99$, find the value of $\sqrt{98.01}$

- (i) 9.9 (ii) 11.9 (iii) 7.9 (iv) 1 (v) 99

27. If $\sqrt{729} = 27$, find the value of $\sqrt{0.0729}$

- (i) 8.27 (ii) 2.7 (iii) 0.27 (iv) 0.03 (v) 2.27

Assignment Key

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