



1. Which of the following is not a perfect square?  
(i) 100 (ii) 16 (iii) 573 (iv) 484
2. Find the greatest 3 digit number which is a perfect square?  
(i) 962 (ii) 964 (iii) 960 (iv) 961 (v) 958
3. If a number has 4 zeros at the end, its square has how many zeros?  
(i) 7 (ii) 11 (iii) 8 (iv) 5 (v) 9
4. Find the value of  $16^3 - 15^3$   
(i) 723 (ii) 719 (iii) 721 (iv) 722 (v) 720
5. How many digits are there in the square root of 23716?  
(i) 0 (ii) 4 (iii) 6 (iv) 2 (v) 3
6. Find the least number that must be subtracted from 148 to get a perfect square?  
(i) 4 (ii) 6 (iii) 5 (iv) 3 (v) 1
7. The smallest number by which 200 must be multiplied so that the product is a perfect cube is?  
(i) 7 (ii) 2 (iii) 6 (iv) 5 (v) 4
8. Find the smallest 2 digit number which is a perfect square?  
(i) 16 (ii) 18 (iii) 13 (iv) 17 (v) 15
9. Find the square root of 9  
(i) 2 (ii) 3 (iii) 0 (iv) 6 (v) 4
10. Find the value of  $18^3 + 17^3$   
(i) 10744 (ii) 10746 (iii) 10748 (iv) 10745 (v) 10742
11. How many digits are there in the square root of 2209?  
(i) 1 (ii) 5 (iii) 3 (iv) 0 (v) 2
12. What is the unit place digit in the square of 40?  
(i) 5 (ii) 1 (iii) 0 (iv) 2 (v) 6
13. Find the greatest 2 digit number which is a perfect square?  
(i) 80 (ii) 83 (iii) 78 (iv) 81 (v) 82
14. Find the cube of 23  
(i) 12170 (ii) 532 (iii) 12167 (iv) 529 (v) 12164

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

- (i) 1021 (ii) 1023 (iii) 1024 (iv) 1025 (v) 1026

16. Which of the following is a perfect square?

- (i) 785 (ii) 9 (iii) 899 (iv) 532 (v) 1366

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

- (i) 99857 (ii) 99856 (iii) 99858 (iv) 99855 (v) 99854

18. The smallest number by which 19652 must be divided so that the quotient is a perfect square is?

- (i) 14 (ii) 16 (iii) 17 (iv) 20 (v) 18

19. The solution of  $\sqrt{5}$  lies between

- (i) 2.2358 and 2.2359 (ii) 2.2362 and 2.2363 (iii) 2.2361 and 2.2362 (iv) 2.2359 and 2.2360  
(v) 2.2360 and 2.2361

20. The smallest number by which 2187 must be divided so that the quotient is a perfect cube is?

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

21. The smallest number by which 242 must be multiplied so that the product is a perfect square is?

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

22. Find the square root of 6382.7000

- (i) 79.8918 (ii) 77.8918 (iii) 81.8918 (iv) 78.8918 (v) 80.8918

23. Which of the following is a perfect cube?

- (i) 1000 (ii) 214 (iii) 10 (iv) 344 (v) 728

24. Find the cube root of -64

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

25. Find the cube root of  $\frac{1}{27}$

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

## Assignment Key

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