



1. The solution of $\sqrt{5}$ lies between
(i) 2.1 and 2.2 (ii) 2.4 and 2.5 (iii) 2.2 and 2.3 (iv) 2.0 and 2.1 (v) 2.3 and 2.4

2. If $\sqrt{2401} = 49$, find the value of $\sqrt{240100}$
(i) 492 (ii) 49 (iii) 4900 (iv) 488 (v) 490

3. Find the greatest 2 digit number which is a perfect square?
(i) 78 (ii) 82 (iii) 81 (iv) 83 (v) 80

4. Find the greatest 5 digit number which is a perfect square?
(i) 99855 (ii) 99859 (iii) 99854 (iv) 99857 (v) 99856

5. The solution of $\sqrt{20}$ lies between
(i) 4 and 5 (ii) 3 and 4 (iii) 6 and 7 (iv) 2 and 3 (v) 5 and 6

6. Find the smallest 2 digit number which is a perfect square?
(i) 18 (ii) 17 (iii) 16 (iv) 13 (v) 15

7. If $\sqrt{121} = 11$, find the value of $\sqrt{1210000}$
(i) 1102 (ii) 1100 (iii) 11000 (iv) 110 (v) 1098

8. Find the smallest 3 digit number which is a perfect square?
(i) 103 (ii) 101 (iii) 99 (iv) 100 (v) 97

9. Find the smallest 5 digit number which is a perfect square?
(i) 10000 (ii) 9999 (iii) 10001 (iv) 10002 (v) 9997

10. If a number has 3 zeros at the end, its square has how many zeros?
(i) 4 (ii) 6 (iii) 5 (iv) 8 (v) 7

11. Find the square root of $\frac{4}{9}$
(i) $\frac{2}{3}$ (ii) 0 (iii) $\frac{4}{3}$ (iv) 2 (v) $\frac{2}{5}$

12. If $\sqrt{3249} = 57$, find the value of $\sqrt{32.49}$
(i) 5.7 (ii) 57 (iii) 3.7 (iv) 0.6 (v) 7.7

13. Find the number of numbers between 15^2 and 16^2

- (i) 27 (ii) 29 (iii) 30 (iv) 31 (v) 32

14. Identify the Pythagorean triplet whose largest number is 37

- (i) {11,36,37} (ii) {13,34,37} (iii) {12,35,37} (iv) {10,33,37} (v) {14,36,37}

15. If $\sqrt{3969} = 63$, find the value of $\sqrt{0.3969}$

- (i) 2.63 (ii) 0.63 (iii) 0.06 (iv) 8.63 (v) 6.3

16. The smallest number by which 112 must be multiplied so that the product is a perfect square is?

- (i) 5 (ii) 8 (iii) 6 (iv) 9 (v) 7

17. Find the prime factorization of 13440

- (i) $2^8 \times 3 \times 5 \times 7$ (ii) $2^7 \times 3 \times 5 \times 7$ (iii) $2^7 \times 3 \times 2 \times 7$ (iv) $2^7 \times 5 \times 5 \times 7$ (v) $2^7 \times 3 \times 5 \times 6$

18. Find the smallest perfect square which is divisible by each of the numbers 14,6,10

- (i) 1261 (ii) 88200 (iii) 44100 (iv) 44102 (v) 2940

19. Find the square root of 2246.5000

- (i) 49.3973 (ii) 45.3973 (iii) 47.3973 (iv) 48.3973 (v) 46.3973

20. The solution of $\sqrt{10}$ lies between

- (i) 3.163 and 3.164 (ii) 3.161 and 3.162 (iii) 3.164 and 3.165 (iv) 3.160 and 3.161 (v) 3.162 and 3.163

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

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

22. Find the least number that must be added to 191 to get a perfect square?

- (i) 3 (ii) 6 (iii) 4 (iv) 8 (v) 5

23. How many digits are there in the square root of 400689?

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

24. What is the unit place digit in the square of 26?

- (i) 8 (ii) 1 (iii) 2 (iv) 7 (v) 6

25. Which of the following is a Pythagorean triplet?

- (i) {20,101,100} (ii) {20,98,100} (iii) {20,99,101} (iv) {20,100,102} (v) {20,97,101}

Assignment Key

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

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