

Squares and Square Roots

Question 1.

The square root of 169 is

- (a) 13
- (b) 1.3
- (c) -1.3
- (d) $\frac{13}{10}$

Answer: (a) 13

Question 2.

What could be the possible “one’s digit” of the square root of 625?

- (a) 5
- (b) 0
- (c) 4
- (d) 8

Answer: (a) 5

Question 3.

Sum of squares of two numbers is 145. If square root of one number is 3, find the other number.

- (a) 136
- (b) 9
- (c) 64
- (d) 8

Answer: (d) 8

Question 4.

The square root of 1.21 is

- (a) 1.1

- (b) 11
- (c) 21
- (d) 2.1

Answer: (a) 1.1

Question 5.

How many numbers lie between square of 12 and 13

- (a) 22
- (b) 23
- (c) 24
- (d) 25

Answer: (c) 24

Question 6.

Which is the greatest three-digit perfect square?

- (a) 999
- (b) 961
- (c) 962
- (d) 970

Answer: (b) 961

Question 7.

How many natural numbers lie between 9^2 and 10^2 ?

- (a) 15
- (b) 19
- (c) 18
- (d) 17

Answer: (c) 18

Question 8.

The largest perfect square between 4 and 50 is

- (a) 25
- (b) 36
- (c) 49
- (d) 45

Answer: (c) 49

Question 9.

Sum of squares of two numbers is 145. If square root of one number is 3, find the other number.

- (a) 136
- (b) 8
- (c) 9
- (d) 64

Answer: (b) 8

Question 10.

Find the square of 39.

- (a) 1500
- (b) 78
- (c) 1521
- (d) none of these

Answer: (c) 1521

Question 11.

Find the least number that must be subtracted from 5607 so as to get a perfect square.

- (a) 130
- (b) 135
- (c) 131
- (d) none of these

Answer: (c) 131

Question 12.

What is smallest number with which 5400 may be multiplied so that the product is perfect cube?

- (a) 5
- (b) 3
- (c) 4
- (d) 6

Answer: (a) 5

Question 13.

What is the length of the side of a square whose area is 441 cm^2 ?

- (a) 21
- (b) 22
- (c) 20
- (d) 12

Answer: (a) 21

Question 14.

Which of the following are the factors of $ac + ab + bc + ca$

- (a) $(a - c)(a - b)$
- (b) $(a + c)(a + b)$
- (c) $(a - c)(a + b)$
- (d) $(a + c)(a - b)$

Answer: (b) $(a + c)(a + b)$

Question 15.

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

- (a) 9990
- (b) 9801
- (c) 9999
- (d) none of these

Answer: (b) 9801

Question 16.

Without doing any calculation, find the numbers which are surely perfect squares.

- (a) 441
- (b) 408
- (c) 153
- (d) 257

Answer: (a) 441

Question 17.

Find the perfect square numbers between 30 and 40.

- (a) 936
- (b) 49

- (c) 25
- (d) none of these

Answer: (a) 936

Question 18.

Without adding, find the sum of $1+3+5+7+9+11+13+15+17+19$

- (a) 100
- (b) 64
- (c) 49
- (d) 81

Answer: (a) 100

Question 19.

What will be the number of digits in the square root of 1296?

- (a) 2
- (b) 3
- (c) 1
- (d) 4

Answer: (a) 2

Question 20.

If a number has 1 or 9 in the unit's place, then its square ends in _____.

- (a) 3
- (b) 9
- (c) 1
- (d) none of these

Answer: (c) 1

Question 21.

The square of 23 is :

- (a) 529
- (b) 526
- (c) 461
- (d) 429

Answer: (a) 529

Question 22.

Which of the following would end with digit 1?

(a) 123^2

(b) 161^2

(c) 77^2

(d) 82^2

Answer: (b) 161^2
