

12. If a number has 1 or 9 in the units place, then its square end with digit:

(C) 3

(D) 2

(B) 1

(A) 9

(A) 4	(B) 2	(C) 6		(D) None		
14.What wil	l be the "or	ne's digit"	in the squa	are of 26387		
(A) 7	(B	9	(C) 3	(D) 8		
15.What wil	l be the nui	nber of ze	eros in the	square of 40	00.	
(A) 2	(B) 4	(C) 8	(D) 6		
16.Non perf	ect square	numbers l	oetween th	ne squares o	f the nur	mbers (n) and (n + 1) i
(A) None	(B) 2	(C) Infir	nits	(D) 2n	
17.How mar	ny numbers	are there	between	5 ² and 6 ²		
(A) 11	(B) 12	(C) 10	(D) 1	3	
18.How mar	ny non squa	re numbe	ers lie betw	veen 1000 ² a	nd 1001 ²	2
(A) 1000	(B) 1001		(C) 2000		(D) 1999
19.Sum of s	uccessive o	dd numbe	rs 1, 3, 5, 1	7, 9 and 11 is	5	
(A) 36	(B) 25	(C) 30	(D) 4	0	
20.Sum of fi	rst 'n' odd r	natural nu	mbers is			
(A) (n + 1)	(B) n ² (C) (n - 1)	(D) 2n			
21.Express 2	21 ² as the su	um of two	consecuti	ve integers		
(A) 220, 199	(В) 220 and	221	(C) 22	21, 222	(D) None
22.Product	of two cons	ecutive ev	ven or odd	natural num	ıbers (a +	+1) (a - 1) is
(A) (a ² - 1)	(B			(C) (a - 1)	·	(D) None

24.Pythagorean triplet whose one number 6 is								
(A) 6, 8, 10	(B) 6, 9, 12		(C) 3, 4	1, 6	(D) 6,	5, 4		
25.Square of what number is 121								
(A) Only11	(B) Only (-11)		(C) Bot	:h 11 &	(-11)	(D) None of these		
26.Square root of 12	21 is							
(A) -11	(B) 11	(C) Bot	:h	(D) No	ne			
27. Square root of 6400 is								
(A) 80	(B) 64	(C) 32		(D) 320	00			
28. What could be the possible "one's" digits of the square root of 99856.								
(A) 6	(B) 4	(C) Bot	:h 4 & 6	(D) No	ne			
29. Number of digits in the square root of 9801 (without any calculation).								
(A) 1	(B) 2	(C) 3		(D) 4				
30. Number of digits in the square root of 529 (without any calculation)								
(A) 1	(B) 2	(C) 3		(D) 4				
31. The length of the side of a square whose area is 441 m ² is								
(A) 29 m	(B) 21 m		(C) 31	m	(D) 41	m		
32. Square root is the inverse operation of								
(A) 21	(B) square		(C) Cul	oe		(D) None		
33.Positive square root of a number is denoted by the symbol								
(A) ∛	(B) (ii) √		(C) (iii)	√	(D) No	ne of these		
34.Square root of decimal number 12.25 is								
(A) 6.05	(B) 2.5	(C) 3.5		(D) 0.2	!5			

35. Number of digits in the square root of 27225 (without any calculation)								
(A) 2	(B) 3	(C) 4	(D) 5					
		,						
36.In a right triangle ABC, $\frac{B}{B} = 90^{\circ}$, If AC = 13cm, BC = 5cm then AB is equal to:								
(A) 10cm	(B) 12d	cm	(C) 8cm	(D) 6cm				
37.Square root of even square number is								
(A) Odd	(B) Eve	(B) Even		(D) None				
38.Square of 39 is (without actual multiplication)								
(A) 1501	(B) 1529		(C) 1521	(D) 1527				
39.49 as sum of 7 odd numbers in expressed as								
(A) 1 + 3 + 5	+7+9+11+1	13	(B) 1 + 3 + 5 + 7 + 11 + 13 + 15					
(C) 11 + 7 + 5 + 3 + 1 + 9 + 15			(D) None					
40. What will be the unit digit of the square of 555.								
(A) 2	(B) 3	(C) 4	(D) 5					
41. Number of digits in the square root of a perfect square number 14400.								
(A) 3	(B) 5	(C) 2	(D) 4					
42.Find the number of digits in the square root of 390625.								
<2M>								
43.Find the Square root of 1764.								
44. Find the square root of 3136 by division method.								
45. Area of a square plot is 4489 m ² . Find the side of the square plot.								
46.Find the square root of 7.29.								
47. Find the greatest number of 4 digits which is a perfect square.								
48. Find the side of a square whose area is 1024 m ² .								
49. For what value of x the following statement is correct. (2 marks)								

$$\sqrt{8x} \times \sqrt{2x} = 144$$

50. Find 37^2 using identity $(a + b)^2 = a^2 + 2ab + b^2$.

51.Find the square root of $\overline{3136}$.

52. Find the Square root of 36 by Successive subtraction.

<4M>

53. Find the smallest number that is divisible by each of the numbers 4, 9 and 10.

54.2025 students are to be made to stand in a field in such a way that each row contains as many students as the number of rows. Find the number of rows and the number of students in each row.

55. Find the square root of 0.9 up to two places of decimal.

56. Find the square root of 2 correct to two places of decimal.

57. Find the square root of 363609.

58.A general wishing to draw up his 64019 men in the form of a solid square, found that he had 10 men even. Find the number of men in the front row?

<6M>

59. Fill in the blanks

(i)
$$\sqrt{49 \times 16} = 7 \times$$

(ii)
$$\sqrt{9 \times \square} = 6 \times 6$$

(iv)
$$\sqrt{\square} = \sqrt{5} \times \sqrt{6} \times \sqrt{11}$$

60. A society collected Rs 92.16. Each member collected as many pairs as there were members: How many members were there and how much did each contribute.

61. Find the least number which must be added to 893304 to obtain a perfect square.