TEST 1

**Find the squares of**

1. 36 2. 33 3. 66

4. 72 5. 81 6. 116

7. 121 8. 214 9. 191

10. 28 11. 188 12. 308

13. 294 14. 156 15. 144

16. 158 17. 138 18. 164

19. 254 20. 244

1.The largest of four digit numbers which is a perfect square is  
(a) 9801  
(b) 9904  
(c) 9804  
(d) 9809

2.Evaluate √6084 .  
(a) 78  
(b) 76  
(c) 82  
(d) 64

3.Find the square root of each of 291600 by the long division method:  
(a) 520  
(b) 620  
(c) 580  
(d) 540

4.Evaluate: √0.9 up to 3 places of decimal.  
(a) 0.948  
(b) 0.958  
(c) 0.938  
(d) 0.978

5. A general arranges his soldiers in a row to form a perfect square. He finds that in doing so, 60 soldiers are left out. If the total number of soldiers is 8160, find the number of soldiers in each row.  
(a) 96 soldiers  
(b) 92 soldiers  
(c) 90 soldiers  
(d) 99 soldiers

**6.**Find the smallest number by which 28812 must be divided so that the quotient becomes a perfect square.  
(a) 9  
(b) 7  
(c) 6  
(d) 3

7.Find the square root of 0.289 / 0.00121.  
(a) 170 / 11  
(b) 150 / 11  
(c) 160 / 11  
(d) 140 / 11

8.Find the least square number which is exactly divisible by 10, 12, 15 and 18.  
(a) 750  
(b) 800  
(c) 850  
(d) 900

9.Find the greatest number of 5 digits, which is a perfect square.  
(a) 99876  
(b) 99866  
(c) 99856  
(d) 99846

10.Find the smallest number that must be added to 1780 to make it a perfect square.  
(a) 79  
(b) 69  
(c) 89  
(d) 49

11.Find the least square number which is exactly divisible by each one of the numbers 15, 18 and 12.  
(a) 1800  
(b) 3600  
(c) 2400  
(d) 4200

12.Find the least number of six digits, which is a perfect square.  
(a) 100499  
(b) 100489  
(c) 100479  
(d) 100469

13.The area of a square playground in 256.6404 square meters. Find the length of one side of the playground.  
(a) 16.02 meters  
(b) 17.02 meters  
(c) 18.02 meters  
(d) 19.02 meters

14.Which of the following numbers is the square of an even number?  
(a) 3625216  
(b) 6561  
(c) 4489  
(d) 373758

**15.**Find the least number must be added to 7900 to obtain a perfect square.  
(a) 67  
(b) 87  
(c) 97  
(d) None of these

16.Find square root of 89.  
(a) 9.333  
(b) 9.433  
(c) 9.533  
(d) 9.633

17.A PT teacher wants to arrange maximum possible number of 6000 students in a field such that the number of rows is equal to the number of columns. Find the number of rows if 71 were left out after arrangement.  
(a) 77 rows  
(b) 73 rows  
(c) 71 rows  
(d) 69 rows

18.How many two-digit numbers satisfy this property.: The last digit (unit's digit) of the square of the two-digit number is 8 ?

1

2

3

None of these

**19.Which of the following is a Pythagorean triplet?**  
  
(a) (2, 3, 5)  
  
(b) (5, 7, 9)  
  
(c) (6, 9, 11)  
  
(d) ((8, 15, 17)

**20.What least number must be added to 6072 to make it a perfect square?**  
  
(a) 6  
  
(b) 10  
  
(c) 12  
  
(d) 16

**21.√0.00059049 is equal to**  
  
(a) 0.243  
  
(b) 0.0243  
  
(c) 0.00243  
  
(d) 0.000243