Quantitative Aptitude : Square and Cube Roots

1. $\sqrt{176}+\sqrt{2401}$ =
2. $\sqrt{4375}/\sqrt{7}$ =
3. $112/\sqrt{169}$ X $\sqrt{579}$ /12 X $\sqrt{256}$ /8 =
4. A certain number of people agree to subscribe as many rupees each as a there are subscribers. The whole subscription is 2582449 rupees. Find the number of subscribers.
5. By what least number must 21600 be multiplied to make it a perfect cube ?
6. By what the least number 4320 be divided to obtain a number which is a perfect cube?
7. $\sqrt{11025}$ =
8. Find the least square number which is exactly divisible by 10,12,15 and 18 ?
9. Given that $\sqrt{4096}$ =64, the value of $\sqrt{4096} + \sqrt{40.96} + \sqrt{0.004096}$ is,
10. If $\sqrt{256}/\sqrt{x}$=2, then, x =
11. If $\sqrt{3}$=1.732 and $\sqrt{2}$= 1.414, the value of $1/(\sqrt{3} + \sqrt{2})$ is,
12. If $\sqrt{y}/169 = 54/39$, then y is equal to,
13. In an auditorium, the number of rows is equal to the number of chairs in each row. If the capacity of the auditorium is 2025, find the number of chairs in each row.
14. The cube root of .000027 is,
15. The cube root of 19683 is,
16. The cube root of 5.832 is,
17. The greatest number of four digits which is a perfect square is,
18. The least number by which 175760 be divided to make it a perfect cube is,
19. The least number that must be added to 6412 to make it a perfect square is,
20. The least number which when multiplied with 74088 will make it a perfect square is,
21. The length of diagonal of a square is 8 cm. The length of the side of the square is,
22. The smallest number by which 396 must be multiplied so that the product becomes a perfect square,
23. The square root of 1764 is,
24. The square root of 484 is,
25. What is the smallest number by which 3087 may be multiplied so that the product is a perfect cube?