

Class Test
Topic-A Square and A Cube
FM-15 Time-35 minutes

1. Which of the following unit digits is not possible in a square number ?
A) 4 B) 6 C) 7 D) 5 (1)
2. How many numbers lie between 25^2 and 26^2 ?
A) 49 B) 50 C) 51 D) 52 (1)
3. $\sqrt[3]{125 \times (-64)}$ is
A) 100 B) 20 C) -20 D) 30 (1)
4. By what least number 3675 be multiplied to get a perfect square ?
Also find the number whose square is the new number . (2)
5. Find the smallest square number which is exactly divisible by 12,15 and 20 . (2)
6. Find the smallest number by which 1536 must be divided so that quotient has a cube root . Also find the cube root of the new number . (2)
7. A school has 1475 students . What is minimum number of students need to be added so that the total number of students can be arranged in a perfect square grid ? (2)
8. By long division method find square root of 11025 . (2)

9. Find the value of $\sqrt{176 + \sqrt{2386 + \sqrt{221 + \sqrt{16}}}}$. (2)