Subject: - Mathematics

PRACTICE PAPER (MCQ) CBSE-8th

Topic: - Square & Square Roots

1. Find the value $\sqrt{248+\sqrt{52+\sqrt{144}}}$. **Ans. (c)**

a) – 16 b) $\pm$ 16 c) 16 d) 16.2

2. The smallest number which should be added to the number 8958 so that the result is a perfect square? **Ans. (b)**

a) 69 b) 67 c) 77 d) 79

2. If the diagonal of a square is doubled, then area of the square becomes: -

a) 2 times b) 3 times c) 4 times d) 6 times **Ans. (c)**

4. $\sqrt{0.05\times 0.5\times a}=0.5\times 0.05\times\sqrt{b}$ then $\frac{a}{b}=?$ **Ans. (b)**

a) 0.0025 b) 0.025 c) 0.25 d) None of these

5. The least square number exactly divisible by 8, 12, 15 and 20 is : - **Ans. (c)**

a) 900 b) 1200 c) 3600 d) 14400

6. 1 + 3 + 5 + 7 + ... + 49 should be equal to: - **Ans. (c)**

a)49^2 b) 24^2 c) 25^2 d) None of these

7. Sum of first n odd natural numbers is: - **Ans. (b)**

a) 2n + 1 b) n^2 c) n^2-1 d) $2n^2+1$

8. $\sqrt{2+\sqrt{x}}=3$, then x is: - **Ans. (d)**

a) 1 b) $\sqrt{7}$ c) 7 d) 49

9. If one number of Pythagorean triplet is 6, then the triplet is: - **Ans. (d)**

a) (4, 5, 6) b) (5, 6, 7) c) (6, 7, 8) d) (6, 8, 10)

10. Area of a square field is 961. Length of its side is: - **Ans. (c)**

a) 29 b) 41 c) 31 d) 39