

8th Square and Square Root CBSE Test Paper-3

1. Find the square of following by column method (i) 57 (ii) 25
2. Find the square of following by diagonal method (i) 52 (ii) 215
3. Find the square root of 100 and 169 by the method of repeated subtraction
4. Find the least number which must be subtracted from each of the following numbers so as to get a perfect square. Also find the square root of the perfect square so obtained.
(i) 402 (ii) 1989 (iii) 3250 (iv) 4000
5. Find the least number which must be added to each of the following numbers so as to get a perfect square. Also find the square root of the perfect square so obtained. (i) 252 (ii) 1750 (iii) 1825 (iv) 6412
6. Find the square root of the following decimal numbers.
(i) 2.56 (ii) 7.29 (iii) 51.84 (iv) 42.25 (v) 31.36
7. The area of a square playground is 291.0436 square meters. Find the length of each side of the playground.
8. A rectangular paper of length 45cm and breadth 5 cm is cut to form a square with the same area. What is the side of the square?
9. Multiple choice Questions
 1. What is the square root of 256? a) 12 b) 16 c) 18 d) 20
 2. If the side length of a square is 9 cm, what is its area?
a) 63 sq. cm b) 72 sq. cm c) 81 sq. cm d) 90 sq. cm
 3. Calculate the square root of 900. a) 20 b) 25 c) 30 d) 35
 4. If a square has a diagonal of length 14 cm, what is the length of each side?
a) 7 cm b) 9 cm c) 10 cm d) 12 cm
 5. What is the square of $(4\sqrt{3})$? a) 12 b) 16 c) 48 d) 144
 6. If the area of a square is 324 square units, what is the length of its diagonal?
a) 12 units b) 18 units c) 24 units d) 36 units
 7. Calculate the square root of 784. a) 24 b) 28 c) 32 d) 36
 8. What is the value of $(10^2 - 8^2)$? a) 16 b) 20 c) 24 d) 32
 9. If a square has an area of 121 square units, what is its perimeter?
a) 11 units b) 22 units c) 33 units d) 44 units
 10. What is the square root of 1024? a) 32 b) 36 c) 48 d) 64