

Squares and Square Roots: Worksheet -8

1. If a number has '1' or '9' in the unit's place, then its square root ends in which of the following numbers. []

- (i) 1 (ii) 4 (iii) 5 (iv) 6

2. There are how many non-perfect squares between 100 & 121 ?

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- (i) 10 (ii) 15 (iii) 20 (iv) 25

3. What will be the unit's digit of 52698^2

[]

- (i) zero (ii) 4 (iii) 5 (iv) 6

4. The sum of first 'n' odd natural numbers is given by

[]

- (i) $2n$ (ii) n^2 (iii) $(n + 1)$ (iv) $n^2 + 1$

5. Which of the following numbers is not a perfect square ?

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- (i) 62500 (ii) 57600 (iii) 90000 (iv) 63147

6. Which of the following Pythagorean triplet has the smallest member '8'?

[]

- (i) 8,11,14 (ii) 8,10,12 (iii) 8,9,10 (iv) 8,15,17

7. Which of the following is the square root of 7056 ?

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- (i) 86 (ii) 34 (iii) 54 (iv) 84



8. Which of the following numbers by which 9408 must be divided so that the quotient is a Perfect square? []

(i) 4

(ii) 3

(iii) 5

(iv) 6

9. Which of the following square number is divisible by each of the numbers 6 , 9, 15 ? []

(i) 400

(ii) 500

(iii) 600

(iv) 900

10. Which of the following numbers must be subtracted from 5607 to get a perfect square ? []

(i) 121

(ii) 131

(iii) 141

(iv) 151

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