



SQUARES & SQUARE ROOT

Worksheet 2



LEARNING IS NEVER DONE WITHOUT ERRORS AND DEFEAT.

1. A PT teacher wants to arrange maximum possible number of 6000 students in a field such that the number of rows is equal to the number of columns. Find the number of rows if 71 were left out after arrangement.

- A. 77 B. 74 C. 71 D. 14
-

2. If $2(x - 3)^2 = 288$, then x can be

- A. 13 B. 12 C. 11 D. 15
-

3. Square root of 2401 is _____.

- A. 87 B. 78 C. 49 D. 76
-

4. A number is multiplied by $2\frac{1}{2}$ itself and then 15 is subtracted from the product. If the final result is 2545, then find the original number.

- A. 30 B. 31 C. 13 D. 32
-

5. The area of a square field is $2\frac{1054}{625}$ sq. m. The length of each side of the field is _____.

- A. 2.00 B. 2.50 C. 4.00 D. 1.92
-

6. The number must be subtracted from 13245 to get a perfect square is _____.

- A. 15 B. 20 C. 11 D. 10
-

7. Find the smallest square number which is exactly divisible by 15, 25, and 30 is, _____.

- A. 500 B. 180 C. 100 D. 900
-

8. If $\sqrt{\left(2 - \frac{17}{121}\right)} = \left(1 + \frac{x}{11}\right)$, then x equals _____.

- A. 4 B. 1 C. 3 D. 2
-

9. Find the smallest square number, which is exactly divisible by 8, 12, 15, and 20 is, _____.

- A. 180 B. 2500 C. 900 D. 3600
-

10. Which of the following is not a perfect square?

- A. 12544 B. 23457 C. 100489 D. 5329
-



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Answer Key

- 1.A
- 2.A
- 3.C
- 4.D
- 5.D
- 6.B
- 7.D
- 8.D
- 9.D
- 10.B



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