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 row in 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 them 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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