SQUARES & SQUARE ROOT

Worksheet 5

FALL SEVEN TIMES, STAND UP EIGHT.

1. Find the value of x if $\sqrt{1369} + \sqrt{0.0615 + x} = 37.25$

A. 0.010   B. 0.0010   C. 0.000010   D. 0.0110

2. 5929 students are sitting in an auditorium as in such a manner that there are as many students in a row as there are rows in the auditorium. how many rows are there in the auditorium

A. 77   B. 66   C. 55   D. 88

3. A school collected Rs .2304 as fees from its students. If each student pays as much money as the number of students in the school, how many students were there in the school

A. 46   B. 47   C. 48   D. 49

4. Which of the following is not a Pythagorean triplet?

A. (3, 4, 5)   B. (6, 8, 10)   C. (2, 3, 4)   D. (12, 35, 37)

5. Evaluate $\sqrt{\frac{25}{32} \times 2\frac{13}{18} \times 0.25}$

A. $\frac{35}{48}$ B. $\frac{36}{49}$ C. $\frac{49}{64}$ D. $\frac{64}{49}$

6. Evaluate $\sqrt{248 + \sqrt{52 + \sqrt{144}}}$

A. 15   B. 25   C. 36   D. 16

7. A man, after a tour, finds that he had spent every day as many rupees as the number of days he had been on tour. How long did his tour last, if he had spent in all ₹1,296.

A. 16   B. 25   C.36   D. 49

8. Out of 745 students, maximum is to be arranged in the school field for a P.T. display, such that the number of rows is equal to the number of columns. Find the number of rows if 16 students were left out after the arrangement.

A. 81   B. 243   C. 27   D. 9

9. Simplify: $\sqrt{900} + \sqrt{0.09} + \sqrt{0.000009}$

A. 30.303   B. 3.303   C. 300.03   D. 33.303

10. If m is the required square of a natural given by n, then n is

A. the square of m   B. greater than m   C. equal to m   D. $\sqrt{m}$

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Answer Key

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