



1. How many non square numbers lie between  $11^2$  and  $12^2$ ?  
(a) 21                      (b) 23                      (c) 22                      (d) 20
2. 25 can be express as the sum of first \_\_\_\_\_ consecutive odd numbers .  
(a)                      (b) 4                      (c) 6                      (d) 3
3. How many numbers lie between square of 12 and 13?  
(a) 21                      (b) 23                      (c) 22                      (d) 24
4. What will be the value of 'x' in Pythagorean triplet (6,8, x)?  
(a) 5                      (b) 7                      (c) 10                      (d) 11
- 5 How many natural nos lie between 562 and 572.
- 6 Find the square root of 529 using long division method.
- 7 Find the greatest 4-digit number which is a perfect square.
- 8 Find the least number which must be subtracted from 1989 so as to get a perfect square. Also find the square root of the perfect square so obtained.
- 9 Find the least number which when added to 599 to make it a perfect square.
10. Find the smallest number which when multiplied by 180 makes it a perfect square.
- 11 Find the least number by which 384 must be divided to make it a perfect square
- 12 Give one Pythagorean triplet in which one of the number is 12.
- 13 Find the smallest square number that is divisible by each of the numbers 4, 9 and 10.
- 14 In a cinema hall 729 people are seated in such a way that the number of people in a row is equal to number of rows. Then how many rows of people are there in the hall?

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