



VIDYABHARATISCHOOL
OLYMPIAD WORKSHEET-JULY2017

GRADE-VIII

MATHEMATICS

1. How many non square numbers lie between 112 and 122?
(a) 21 (b) 23 (c) 22 (d) 20
2. 25 can be express as the sum of first _____ consecutive odd numbers .
(a) 2 (b) 4 (c) 6 (d) none
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. The square of -9 is
(a) -81 (b) 81 (c) 18 (d) -18
6. The square root of 6400 is
(a) 80 (b) 81 (c) 32 (d) 23
7. By which smallest number 90 must be multiplied so as to make it a perfect square ?
(a) 10 (b) 2 (c) 5 (d) 3
8. By which smallest number 48 must be divided so as to make it a perfect square ?
(a) 2 (b) 3 (c) 6 (d) 4
9. which smallest number should be added to 80 so as to make it a perfect square ?
(a) 2 (b) 3 (c) 1 (d) 4
- 10 What could be the possible “one’s digit” of the square root of 625?

(a) 5 (b) 0 (c) 4 (d) 8

11. Which is the smallest three-digit perfect square?

(a) 100 (b) 101 (c) 121 (d) 144

12. What will be the number of digits in the square root of 25600?

a) 3 (b) 2 (c) 5 (d) 4

13. What will be the number of digits in the square root of 1296?

(a) 2 (b) 3 (c) 1 (d) 4

14. The square root of 12.25 is _____ .

(a) 3.5 (b) 2.5 (c) 35 (d) 25

15. What is the length of the side of a square whose area is 441 cm²?

(a) 21 (b) 22 (c) 20 (d) 12

16. In a right angle triangle ABC , right angled at B, AB=6cm, BC=8cm ,then AC= _____ .

(a) 10 (b) 12 (c) 21 (d) 14

17. Which least number should be subtracted from 629 so as to get a perfect square ?

(a) 4 (b) 5 (c) 6 (d) 3

18. The square root of 1.21 is

(a) 1.1 (b) 11 (c) 21 (d) none

19. What is the smallest square number which is divisible by each of the numbers 6,9 and 15 ?

(a) 900 (b) 810 (c) 630 (d) 720

20 The square of 1.2 is

(a) 144 (b) 1.44 (c) 14.4 (d) 2.4