



**VIDYA BHARATI SCHOOL**  
**OLYMPIAD WORKSHEET: May-2017**  
**GRADE: VIII**  
**SUBJECT: MATHEMATICS**

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Q1. Which of the following is not a square number?

- ( a ) 4            ( b ) 9            ( c ) 16            ( d ) 24

Q2. The square of 23 is :

- ( a ) 529            ( b ) 526            ( c ) 46            ( d ) 429

Q3. The square of which of the following would be even number?

- ( a ) 2826            ( b ) 7779            ( c ) 1057            ( d ) 131

Q4. The square of which of the following would be odd number?

- ( a ) 431            ( b ) 272            ( c ) 1234            ( d ) 7928

Q5. Which of the following is a perfect square ?

- ( a ) 45            ( b ) 81            ( c ) 18            ( d ) 54

Q6. What will be the "one's digit" in the square of 1234 ?

- ( a ) 6            ( b ) 2            ( c ) 8            ( d ) 9

Q7. What will be the number of zeros in the square of 400 ?

- ( a ) 5            ( b ) 1            ( c ) 3            ( d ) 4

Q8. The perfect square number between 30 and 40 is :

- ( a ) 35            ( b ) 39            ( c ) 36            ( d ) 32

Q9. Which of the following number would have digit 6 at units place ?

- ( a ) 192            ( b ) 242            ( c ) 252            ( d ) 132

Q10. Which of the following number would have digit 5 at units place :

( a ) 952      ( b ) 592      ( c ) 242      d)none

Q11. How many non square numbers lie between 112 and 122?

(a) 21      (b) 23      (c) 22      (d) 20

Q12. 25 can be express as the sum of first \_\_\_\_\_consecutive odd numbers .

(a)5      (b) 4      (c) 6      (d) none

Q 13. How many numbers lie between square of 12 and 13?

(a) 21      (b) 23      (c)22      (d)24

Q14. What will be the value of „ x“ in Pythagorean triplet (6,8, x)?

(a) 5      (b) 7      (c)10      (d) 11

Q 15. The square of -9 is

(a) -81      (b) 81      (c) 18      (d) -18

Q 16. The square root of 6400 is

(a) 80      (b) 81      (c) 32      (d) 23

Q17. By which smallest number 90 must be multiplied so as to make it a perfect square ?

(a) 10      (b) 2      (c) 5      (d) 3

Q18. By which smallest number 48 must be divided so as to make it a perfect square ?

(a) 2      (b) 3      (c) 6      (d) 4

Q19. which smallest number should be added to 80 so as to make it a perfect square ?

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

Q20 How many sides are there for a nonagon

a) 4      b)6      c) 8      d) 9s

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\*For more practice material please click: [www.brilliant.org](http://www.brilliant.org); [www.sofolympiadtrainer.co](http://www.sofolympiadtrainer.co);  
[www.olympiadhelper.com](http://www.olympiadhelper.com)