



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

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1. Which of the following is a solution of the equation:  $2x + 9 = 5$   
(a) 2                      (b) -2                      (c) 0                      (d) 1
2. For which one of the following equation 3 is not a solution  
(a)  $x + 3 = 6$                       (b)  $x - 3 = 0$                       (c)  $x + 3 = 0$                       (d)  $x / 3 = 1$
3. If  $3/15$  of a number is 1, the number is -  
(a) 15                      (b)  $5/3$                       (c) 25                      (d)  $2x/3$
4. Ajay's age after 7 years will be 18, his age 5 years ago was -  
(a) 6                      (b) 4                      (c) 7                      (d) 16
5. The cost of a dozen pencils is Rs. 72, so the cost of 2 pencils is -  
(a) Rs. 36                      (b) Rs. 12                      (c) Rs. 10                      (d) Rs. 6
6. If  $15x = 68 - 19x$ , then x is -  
(a) 1                      (b) 2                      (c) -2                      (d) -1
7. If 5 more than 3 times a number is 17, then the number is -  
(a) 4                      (b) 5                      (c) 2                      (d) 3
8. If  $42 = 7(5 + x)$ , then x is -  
(a) -1                      (b) 1                      (c) 0                      (d) 30
9. The sum of two consecutive numbers is 27. Their product will be -  
(a) 54                      (b) 182                      (c) 20                      (d) None of these
10. The length of a rectangle is 2 times its width and the perimeter of the rectangle is 60 cm. The area of the rectangle is -  
(a)  $100 \text{ cm}^2$                       (b)  $300 \text{ cm}^2$                       (c)  $200 \text{ cm}^2$                       (d) None of these
11. 7 subtracted from 5 times a number is 43, the number is -  
(a) 10                      (b) 20                      (c) 36                      (d) None of these

12. What is the formula for range -  
(a) lower limit – upper limit                      (b) upper limit – lower limit  
(c) upper limit/lower limit                        (d) None of these

**Based on below data answer Q 13 to Q 16:**

4, 6, 7, 5, 3, 5, 4, 5, 2, 6, 2, 5, 1, 9, 6, 5, 8, 4, 6, 7

13. Which number is the highest -  
(a) 9                      (b) 7                      (c) 3                      (d) 6
14. Which number is the lowest –  
(a) 0                      (b) 1                      (c) 7                      (d) 9
15. What is the range of the data –  
(a) 9                      (b) 7                      (c) 3                      (d) 8
16. What is the arithmetic mean -  
(a) 5                      (b) 9                      (c) 7                      (d) 1

**Based on below data answer Q 17 to Q 18:**

19, 25, 23, 20, 9, 20, 15, 10, 5, 16, 25, 20, 24, 12, 20

17. What is the mode -  
(a) 50                      (b) 20                      (c) 48                      (d) None of these
18. What is the median -  
(a) 20                      (b) 50                      (c) 40                      (d) 0
19. What will be the mean of first 5 whole numbers -  
(a) 2                      (b) 1                      (c) 3                      (d) 4
20. A coin is flipped to decide which team starts the game,. What is the probability that your team starts  
(a) 50%                      (b) 1/4                      (c) 1/3                      (d) 35%

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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)