



VIDYA BHARATI SCHOOL
OLYMPIAD WORKSHEET: Apr- 2017
GRADE: VI
SUBJECT: MATHEMATICS

Tick ✓ the correct answer:-

1. Write as decimal 'Thirty and one-tenth'.

- a. 30.1 b. 3.1 c. 32.1 d. 30.2

2. Decimal form of 'six-tenths' is _____.

- a. 0.5 b. 0.6 c. 0.7 d. none of these

3. Decimal notation of $1/4$ is _____.

- a. 0.01 b. 0.04 c. 0.25 d. 0.02

4. 0.01 _____ 0.3

- a. = b. > c. \geq d. <

5. Write 2 rupees and 50 paise as decimal.

- a. Rs 2.50 b. Rs 2.05 c. Rs 2.005 d. Rs 2

6. Write the equation for 'The sum of two times y and 10 is 42'.

- a. $2y + 10 = 42$ b. $y + 10 = 42$ c. $2x = 42$ d. $y + 11 = 3$

7. In an isosceles triangle, the vertex angle is twice either base angle. (Let the base angle be b in degrees. Remember that the sum of angles of a triangle is 180 degrees). Set up an equation.

- a. $x + 2x = 180$ b. $x + 2x + 2x = 180$ c. $4x = 180$ d. $3x = 180$

8. What is n in $3n - 2 = 46$?

- a. 14 b. 15 c. 16 d. 17

9. Laxmi's father is 49 years old. He is 4 years older than three times Laxmi's age. (Take Laxmi's age to be y years.) Set up an equation.

- a. $3y = 49$ b. $3y + 4 = 49$ c. $y + 4 = 49$ d. $3y - 4 = 49$

10. What is y in $10y - 20 = 50$?

- a. 9 b. 8 c. 7 d. 6

11. If there are 40 mangoes in a box, how will you write the total number of mangoes in terms of the number of boxes? (Use x for the number of boxes.)

- a. $40x$ b. $40 + x$ c. $40 - x$ d. $40/x$

12. The teacher distributes 5 toffees per student. Can you tell how many toffees are needed, given the number of students? (Use y for the number of students.)

- a. $y + 5$ b. $y \times 5$ c. $y - 5$ d. $y \div 5$

13. Identify the operations (addition, subtraction, division, multiplication) in forming the expression. $y + 17$

- a. division b. multiplication c. addition d. subtraction

14. Identify the operations (addition, subtraction, division, multiplication) in forming the expression. $15y$

- a. subtraction b. multiplication c. addition d. division

15. Give expression for '5 times y from which 3 is subtracted'.

- a. $5y - 3$ b. $5y + 3$ c. $5y/3$ d. $5y - 5$

16. $7\text{ cm } 5\text{ mm} = \underline{\hspace{2cm}}\text{ cm}$

- a. 7.5 b. 7.05 c. 7.005 d. 75.5

17. Decimal notation of $3/8$ is _____.

- a. 37.5 b. 3.75 c. 0.375 d. 37.05

18. The length of a young gram plant is 65 mm. Its length in cm is _____.

- a. 6.5 cm b. 0.65 cm c. 0.065 cm d. 650 cm

19. The short form of $300 + 5 + 7/10 + 5/1000$

- a. 305.075 b. 35.75 c. 305.705 d. 35.705

20. Which of the following decimal fraction is less than 0.71?

- a. 0.854 b. 0.972 c. 0.1254 d. 0.8

*For more practice material please click: www.brilliant.org; www.sofolympiadtrainer.com
www.olympiadhelper.com