

9. Perimeter of the _____ = $4 \times \text{side}$

- a. rectangle b. square c. triangle d. none of these

10. The perimeter of a regular pentagon is 100 cm. How long is its each side?

- a. 15 cm b. 25 cm c. 33 cm d. 20 cm

11. A piece of string is 30 cm long. What will be the length of each side if the string is used to form a regular hexagon?

- a. 5 cm b. 10 cm c. 6 cm d. 9 cm

12. 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. $y + 11 = 3$

13. 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. $3x = 180$

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

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

15. An _____ is formed when lines or line segments meet.

- a. angle b. ray c. line d. line segment

16. If two _____ are cut by a transversal, each pair of corresponding angles are equal in measure.

- a. lines b. intersecting lines c. parallel lines d. none of these

17. According to Pythagoras property, in a right-angled triangle, the square on the _____ = sum of the squares on the legs.

- a. right angle b. altitude c. hypotenuse d. none of these

18. Determine whether the triangle whose lengths of sides are 3 cm, 4 cm, 5 cm is a _____.

- a. right-angled b. acute-angled c. obtuse-angled d. none of these

19. When $a = 0$, $b = -1$, find the value of the expressions: $2a^2b + 2ab^2 + ab$.

- a. 0 b. 1 c. 2 d. 3

20. Subtract $a - b$ from $3a - b + 4$.

- a. $3a + 5$ b. $2a + 4$ c. $3a + 4$ d. $2a + 5$

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

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