



**VIDYA BHARATI SCHOOL**  
**Olympiad Worksheet – (January 2017)**  
**Grade : VI**  
**Subject : Mathematics**

**Tick ✓ the correct answer:**

1. Find the perimeter of a regular heptagon with each side measuring 5 cm.  
a. 35 cm                      b. 30 cm                      c. 20 cm                      d. 15 cm
2. Perimeter of the \_\_\_\_\_ =  $4 \times \text{side}$   
a. rectangle                      b. square                      c. triangle                      d. none of these
3. 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
4. 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
5. Find the perimeter of a regular octagon with each side measuring 3 cm.  
a. 24 cm                      b. 20 cm                      c. 15 cm                      d. 10 cm
6. Area of the \_\_\_\_\_ = length  $\times$  breadth  
a. square                      b. rectangle                      c. hexagon                      d. none of these
7. Find the side of the square whose perimeter is 20 m.  
a. 4 m                      b. 6 m                      c. 3 m                      d. 5 m
8. A piece of string is 30 cm long. What will be the length of each side if the string is used to form an equilateral triangle?  
a. 10 cm                      b. 9 cm                      c. 7.5 cm                      d. 6 cm
9. Cost of a pen is Rs 10 and cost of a pencil is Rs 2. What is the ratio of cost of pen to cost of pencil?  
a. 5:1                      b. 1:5                      c. 1:2                      d. 2:1

10. Saurabh takes 15 minutes to reach school from his house and Sachin takes one hour to reach school from his house. Find the ratio of the time taken by Saurabh to the time taken by Sachin.

- a. 4:1                      b. 1:4                      c. 15:1                      d. 1:15

11. Find the ratio of 90 cm to 1.5 m.

- a. 5:3                      b. 6:1                      c. 3:5                      d. 1:6

12. There are 45 persons working in an office. If the number of females is 25 and the remaining are males, find the ratio of the number of males to number of females.

- a. 4:9                      b. 5:4                      c. 9:4                      d. 4:5

13. Ravi and Rani started a business and invested money in the ratio 2 : 3. After one year the total profit was Rs 40,000. What is the share of Ravi in profit?

- a. Rs 16000                      b. Rs 24000                      c. Rs 15000                      d. Rs 20000

14. Which of them is not a line segment?

- a. an edge of a box      b. a tube light                      c. the edge of a post card      d. rail lines

15. Which of them is a ray?

- a. an edge of a box      b. sun rays                      c. the edge of a post card      d. rail lines

16. A figure is a \_\_\_\_\_ if it is a simple closed figure made up entirely of line segments.

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

17. An \_\_\_\_\_ is made up of two rays starting from a common end point.

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

18. Subtract (-6) from (-11).

- a. -5                      b. 5                      c. -17                      d. 17

19. Write the integer which is 3 more than 5.

- a. -8                      b. 8                      c. 2                      d. -2

20.  $(-9) + (+13) =$  \_\_\_\_\_

- a. -22                      b. 22                      c. -4                      d. 4

Link for more questions for practice:

[www.edugain.com](http://www.edugain.com)

[www.softschools.com](http://www.softschools.com)

[www.edurite.com](http://www.edurite.com)