Chapter – 13

Symmetry

Worksheet – 1

1. If a figure has two or more lines of symmetry, they would have a rotational symmetry of at least _____.
   a. 0
   b. 1
   c. 2
   d. 4
2. Which of the following English alphabet has rotational symmetry?
   a. P
   b. A
   c. B
   d. Z
3. Which of the following English alphabets has a rotational symmetry of 2?
   a. Y
   b. N
   c. D
   d. E
4. How many line of symmetry are in the following figure –

   a. 1
   b. 2
   c. 3
   d. 4
5. Capital letter I has ___ lines of symmetry?
   a. 1
   b. 2
   c. 3

    d. 4
6. Which of the following figures does not always have a line of symmetry?
    a. Rectangle
    b. Square
    c. Triangle
    d. Kite
7. Which of the following English alphabet has reflection symmetry?
    a. B
    b. C
    c. D
    d. A
8. A shape of star has _ lines of symmetry?
    a. 1
    b. 2
    c. 5
    d. 6
9. A right-angled isosceles triangle has _____ lines of symmetry?
    a. 2
    b. 4
    c. 6
    d. 5
10. A rhombus has _____ lines of symmetry?
    a. 1
    b. 2
    c. 3
    d. 4

11. Explain the property of symmetry in shapes or symbols in brief?
12. What are the two types of symmetry?
13. Define rotational symmetry in brief?
14. Which English alphabets show rotational symmetry?
15. What is line symmetry?
16. What is Koch's snowflake?
17. What is Reflection symmetry?
18. Make a list of English alphabets which show Reflection symmetry?
19. What is a 'Kaleidoscope'?

20. Write five letters of English which have no lines of symmetry?