

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?