# ST. LAWRENCE HIGH SCHOOL

A JESUIT CHRISTIAN MINORITY INSTITUTION

**Sub: Algebra and Geometry** **Class: 7** **Date: 09.11.20**

**Duration: 40 min** **Worksheet 02** **Full Marks: 15**

**Symmetry**

**Choose the Correct options:**

1. Which of the following letters of English alphabet has reflectional symmetry about a vertical mirror?
    a. W
    b. J
    c. Z
    d. P
2. Which of the following letters of English alphabet has reflectional symmetry about a horizontal mirror?
    a. H
    b. K
    c. M
    d. W
3. Which of the following letters of English alphabet has reflectional symmetry about both horizontal and vertical mirrors?
    a. O
    b. Y
    c. T
    d. L
4. The shape which has both line and rotational symmetry of order more than 1 is
    a. isosceles triangle
    b. rhombus
    c. scalene triangle
    d. square
5. Which of the following alphabets has no line of symmetry?
    a. A
    b. B
    c. P
    d. O
6. Which of the following triangles has no line of symmetry?
    a. Equilateral triangle
    b. Isosceles triangle
    c. scalene triangle
    d. All of these
7. What is the order of rotational symmetry of David's star (hexagram)?
    a. 3
    b. 4
    c. 6
    d. 12
8. What is the other name for a line of symmetry of a circle?
    a. arc
    b. segment
    c. diameter
    d. radius
9. What is the order of rotational symmetry of the English alphabet Z?

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

10. Which of these letters has only rotational symmetry?
    a. S
    b. E
    c. B
    d. P
11. How many lines of symmetry are present in the isosceles trapezium?
    a. 1
    b. 2
    c. 3
    d. 4
12. Which of the following has rotational symmetry and point symmetry but no linear symmetry?
    a. isosceles triangle
    b. Parallelogram
    c. Kite
    d. Semicircle
13. Which symmetry is present in square, rectangle, hexagon and parallelogram?
    a. Linear symmetry
    b. Rotational symmetry
    c. Point symmetry
    d. All of these
14. Which of the following figure is not symmetric about a horizontal plane?
    a. C
    b. V
    c. B
    d. Q
15. Which of the following figure is symmetric about a vertical plane?
    a. P
    b. Q
    c. Z
    d. M