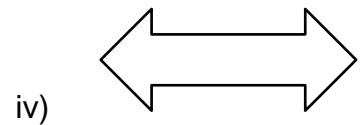
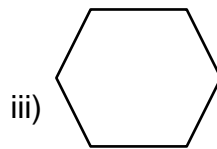
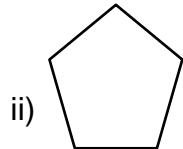
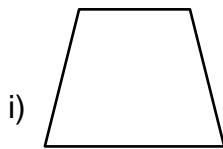


INTERNATIONAL INDIAN SCHOOL, RIYADH.

MATHEMATICS WORKSHEET- (2017 - 2018) / Class: VI

CHAPTER 13 – SYMMETRY

1. The line which divides the figure into two congruent parts is called _____,
2. A square has _____ lines of symmetry.
3. A _____ has unlimited number of lines of symmetry.
4. A _____ triangle has no line of symmetry.
5. The letter 'X' has _____ lines of symmetry.
6. Draw a triangle PQR with $PQ = PR$. Draw its line symmetry.
7. Find all the lines of symmetry of the following figures.



8. Construct a line segment $PQ = 7$ cm. Draw its line of symmetry.
9. Can you draw a triangle which has
 - a) Exactly one line of symmetry?
 - b) Exactly two lines of symmetry?
 - c) Exactly three lines of symmetry?
 - d) No lines of symmetry?
10. Consider the letters of English alphabets A to Z
List among them the letters which have
 - a) Vertical lines of symmetry
 - b) Horizontal lines of symmetry
 - c) No lines of symmetry.

11. Write some application of symmetry in everyday life

12. Complete the following table:

S.No.	Shapes	Rough Figure	Number of lines of symmetry
1.	Regular Hexagon		
2.	Regular octagon		
3.	Equilateral triangle		
4.	Square		
5.	Rectangle		
6.	Isosceles Triangle		
7.	Circle		
8.	Scalene Triangle		

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ANSWER KEY

CHAPTER 13 – SYMMETRY

1. Line or axis of symmetry
2. Four
3. Circle
4. Scalene.
5. Two
9.
 - a) Yes, an isosceles triangle.
 - b) No, triangle has exactly two lines of symmetry.
 - c) Yes, an equilateral triangle.
 - d) Yes, a scalene triangle.
10.
 - a) A, H, I, M, O, T, U, V, W, Y and X.
 - b) B, C, D, E, H, I, K and O
 - c) F, G, J, L, N, P, Q, R, S and Z.
11. art, architecture, textile, technology, design creation etc.
- 12.

S.No.	Shapes	Number of lines of symmetry
1.	Regular Hexagon	Six
2.	Regular octagon	Eight
3.	Equilateral triangle	Three
4.	Square	Four
5.	Rectangle	Two
6.	Isosceles Triangle	One
7.	Circle	Countless
8.	Scalene Triangle	No line of symmetry