

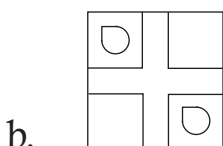
Q1. Name the following:

- a. Line of symmetry in a circle : _____
- b. Line of symmetry of an angle : _____
- c. Line of symmetry in a rhombus : _____
- d. Line of symmetry of a line segment : _____

Q2. Find the number of lines of symmetry and point of symmetry in each of the following:

Geometrical figure	Number of Lines of symmetry	Number of Points of symmetry
Equilateral triangle		
Angle		
Rhombus		
Square		

Q3. Draw the line(s) of symmetry for the following figures (if any):



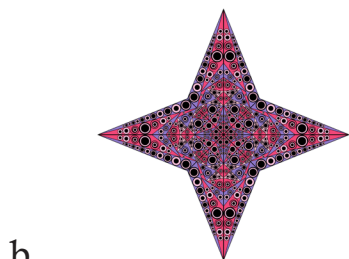
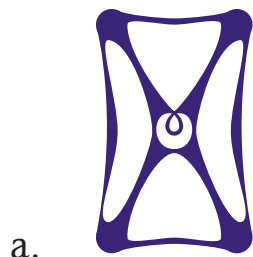
Q4. Draw the lines of symmetry for each of the English alphabets given below:

K V W C

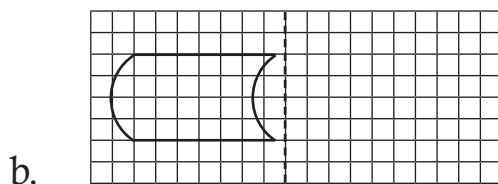
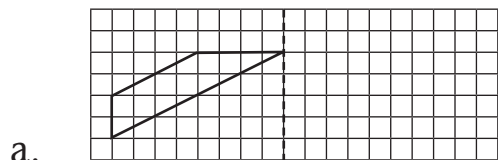
Q5. Which of the following numbers are symmetrical? Tick the correct option.

- a. 8 : (Yes/No)
- b. 0 : (Yes/No)
- c. 6 : (Yes/No)

Q6. Draw the line of symmetry of the following figures:



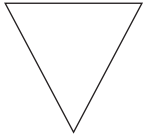
Q7. The dotted line shows the axis of reflection. Draw the mirror image or reflection of the following diagrams:



Q8. Find the order of rotational symmetry of the following shapes:

- | Shape | Order of rotational symmetry |
|-----------------------------|------------------------------|
| a. An equilateral triangle: | _____ |
| b. A square | _____ |
| c. A line segment 5 cm long | _____ |

Q9. How will the following figure look like after taking the following turns?



- a. a quarter-turn clockwise
- b. a half-turn clockwise

Draw the resultant figures.

- a. After taking a quarter-turn clockwise : _____
- b. After taking a half-turn clockwise : _____

Q10. The letter Z is rotated clockwise till the image looks like the letter N. Choose the correct angle of rotation.

- a. 90°
- b. 180°
- c. 360°

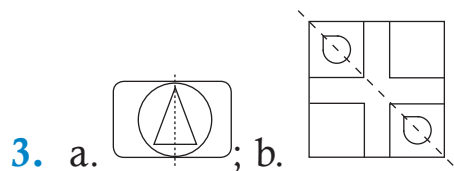
Answer: _____

Answers

1. a. diameter; angle-bisector; c. diagonals; d. perpendicular bisector

2.

Geometrical figure	Number of Lines of symmetry	Number of Points of symmetry
Equilateral triangle	3	0
Angle	1	0
Rhombus	2	1
Square	4	1

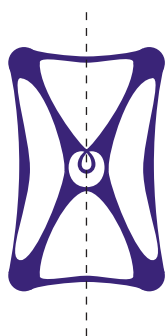


4.

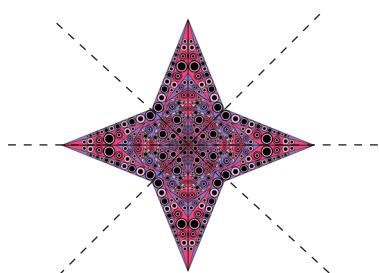


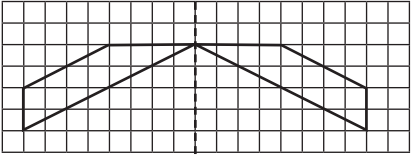
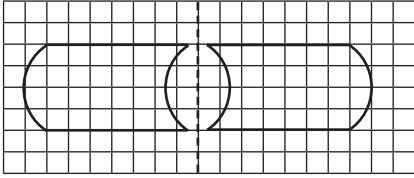
5. a. Yes; b. Yes; c. No

6. a.



b.

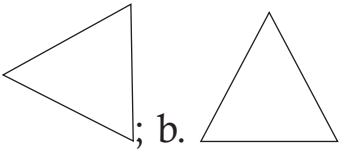


7. a. ; b. 

8.

	Shape	Order of rotational symmetry
a.	An equilateral triangle:	3
b.	A square	4
c.	A line segment 5 cm long	2

9. a.



10. (a)