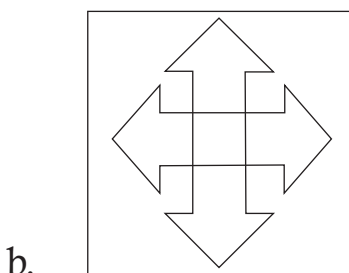
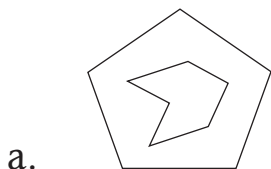


Q1. Name the following:

- a. A triangle having no line of symmetry : _____
- b. A quadrilateral having a pair of opposite sides parallel and equal and no line of symmetry : _____
- c. A regular polygon having six lines of symmetry : _____
- d. A plane figure having infinite lines of symmetry : _____

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
Isosceles triangle		
Square		
Rectangle		
Kite		

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

Q4. Which of the following numbers are symmetrical? Tick the correct option.

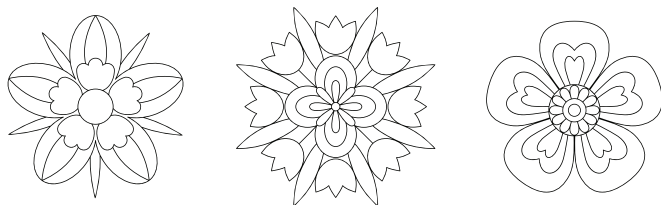
- a. 9 : (Yes/No)
- b. 3 : (Yes/No)
- c. 7 : (Yes/No)

Q5. Find whether the dotted line is the line of symmetry of the following English alphabets and tick Yes or No:

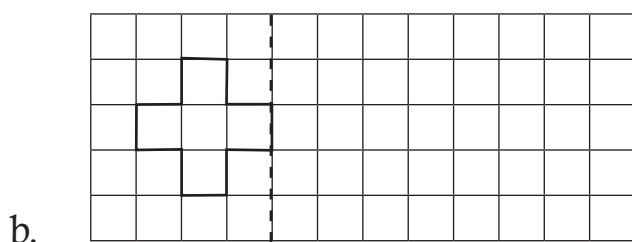
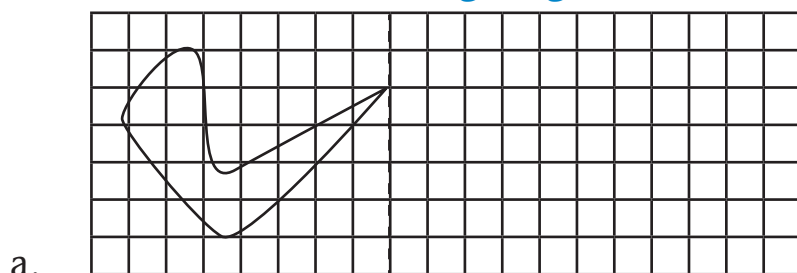


- a. (Yes/No)
- b. (Yes/No)
- c. (Yes/No)

Q6. From the following flowers, draw the lines of symmetry of the flower which has the maximum lines of symmetry:




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 stars:

Star

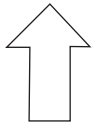
Order of rotational symmetry

a.  _____

b.  _____

c.  _____

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



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

Draw the resultant figures.

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

Q10. The letter W is rotated, till the image looks like the letter M. Find the angle of rotation.

Answer: _____

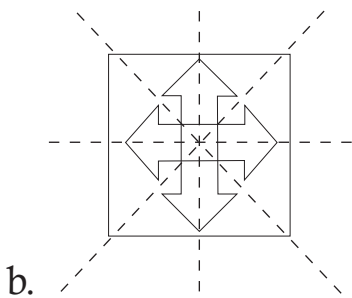
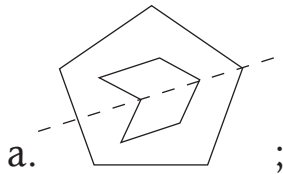
Answers

1. a. scalene triangle; b. parallelogram; c. regular hexagon; d. circle

2.

Geometrical figure	Number of Lines of symmetry	Number of Points of symmetry
Isosceles triangle	1	0
Square	4	1
Rectangle	2	1
Kite	1	0

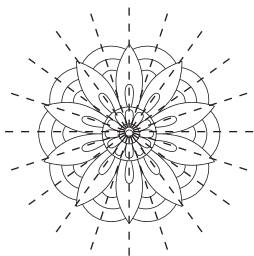
3.

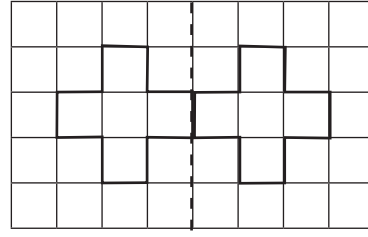
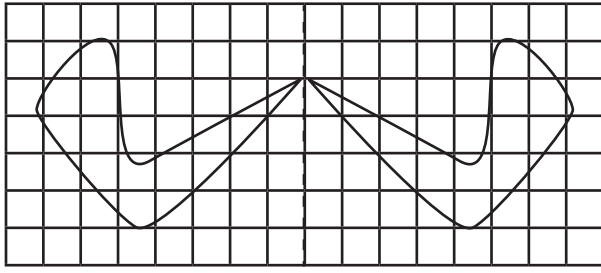


4. a. No; b. Yes; c. No

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

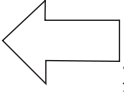
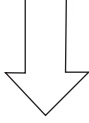
6.





7. a. ; b.

8. a. 5; b. 6; c. 7

9. a.  ; b. 

10. 180°