LINEAR SYMMETRY

17

Q1. **Which of the following triangles have at least two lines of symmetry?**
a. Equilateral triangle
b. Isosceles triangle
c. Scalene triangle

Q2. **Draw the line of symmetry (if any) for the following figures:**

Q3. **Write the even number(s) from 1 to 9 which have at least 1 line of symmetry.**

Answer: _____

Q4. **Which of the alphabet(s) in the word 'ZEBRA' does not have a line of symmetry?**

Answer: _____

Q5. **State true or false:**
a. All the diagonals of a square are its line of symmetry.   _____
b. A circle has no lines of symmetry.   _____
c. The alphabet B has only one horizontal line of symmetry.   _____
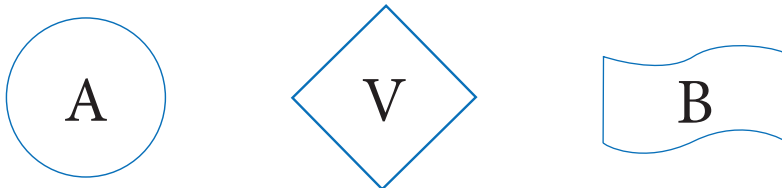d. All triangles have at least three lines of symmetry.   _____
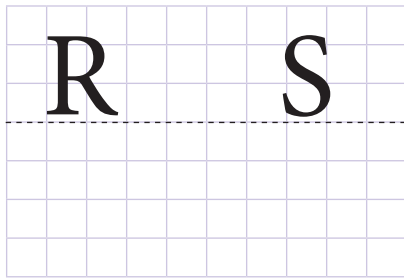
Q6. **Draw a mirror line (if any) for each of the following:**

A   V   B

1

Q7. Draw the reflection of the following letters about the horizontal line as mirror line:

R   S

Q8. List any two letters of the English alphabet that have:
   a. Only horizontal line of symmetry   : _____
   b. No line of symmetry   : _____

Q9. Mark two points A and B at a distance of 5 cm. Construct a line XY such that these points are symmetric with respect to line XY.
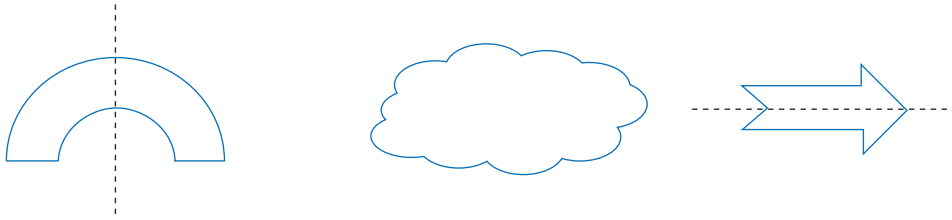
Q10. Write one word for:
   a. The line of symmetry of a right angle: _____
   b. The line of symmetry of a line segment: _____

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ANSWERS
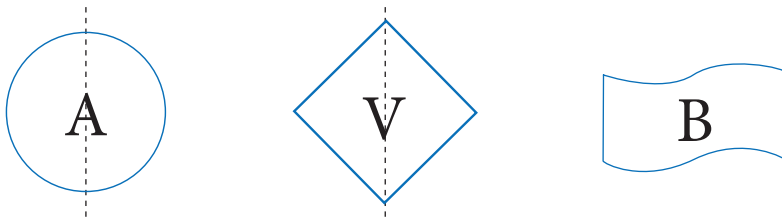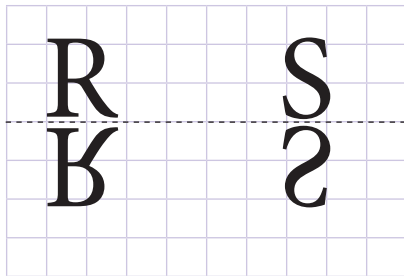
1. a. and b.

2.

3. 8

4. Z, R

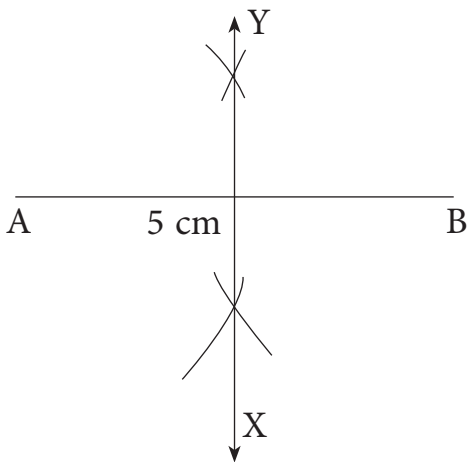5. a. True, b. False, c. True, d. False

6.

7.

8. a. B, E; b. J, G

9.

10. a. angle-bisector, b. perpendicular bisector