OBJECTIVE TYPE QUESTIONS

Mark the correct alternative in each of the following:

1. The total number of lines of symmetry of a scalene triangle is
(a) 1
(b) 2
(c) 3
(d) None of these
Solution:

The option (d) is the correct answer.
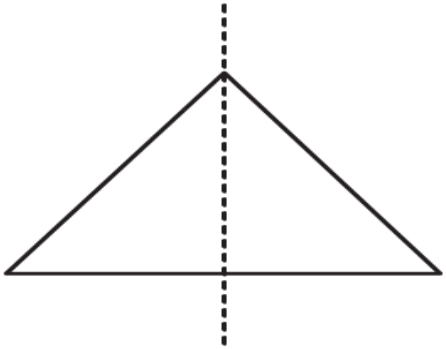The total number of lines of symmetry of a scalene triangle is 0.

2. The total number of lines of symmetry of an isosceles triangle is
(a) 1
(b) 2
(c) 3
(d) None of these
Solution:

The option (a) is the correct answer.
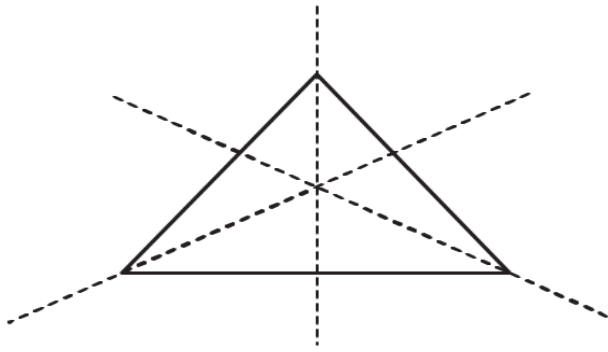The total number of lines of symmetry of an isosceles triangle is 1.

3. An equilateral triangle is symmetrical about each of its
(a) altitudes
(b) medians
(c) angle bisectors
(d) all the above
Solution:

The option (d) is the correct answer.
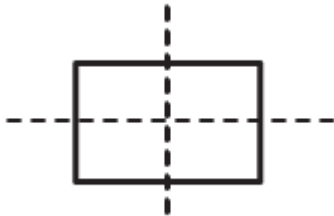An equilateral triangle is symmetrical about each of its altitudes, angle bisectors and medians.

4. The total number of lines of symmetry of a square is
(a) 1
(b) 2
(c) 3
(d) 4
Solution:

The option (d) is the correct answer.
The total number of lines of symmetry of a square is 4.

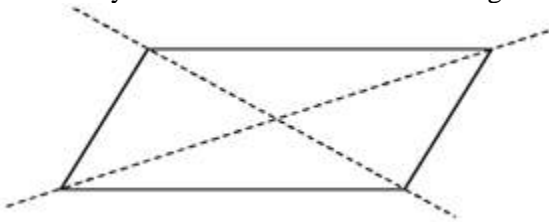**5. A rhombus is symmetrical about**
(a) each of its diagonals
(b) the line joining the mid-points of its opposite sides
(c) perpendicular bisectors of each of its sides
(d) none of these
Solution:

The option (a) is the correct answer.
A rhombus is symmetrical about each of its diagonals.
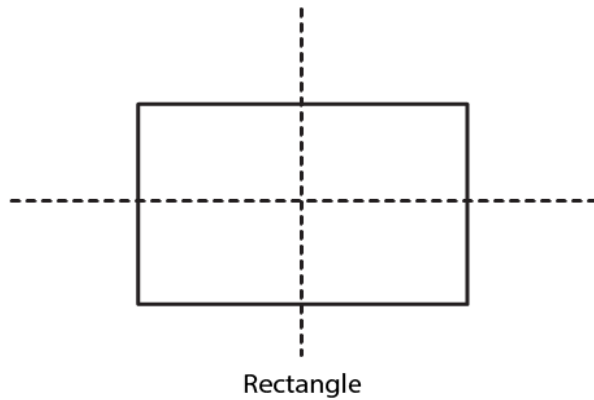

6. The number of lines of symmetry of a rectangle is
(a) 0
(b) 2
(c) 4

(d) 1
Solution:

The option (b) is the correct answer.
The number of lines of symmetry of a rectangle is 2.

Rectangle

7. The number of lines of symmetry of a kite is
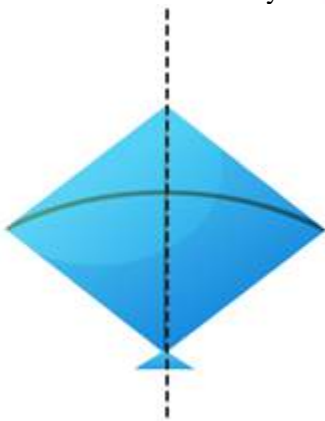**(a) 0**
(b) 1
(c) 2
(d) 3
Solution:

The option (b) is the correct answer.
The number of lines of symmetry of a kite is 1.

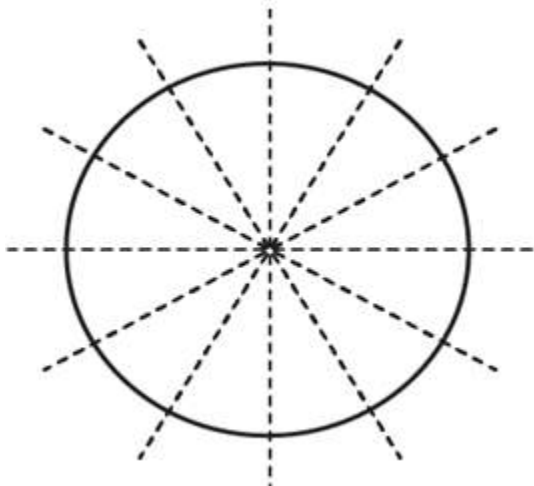**8. The number of lines of symmetry of a circle is**
(a) 0
(b) 1
(c) 4
(d) unlimited
Solution:

The option (d) is the correct answer.
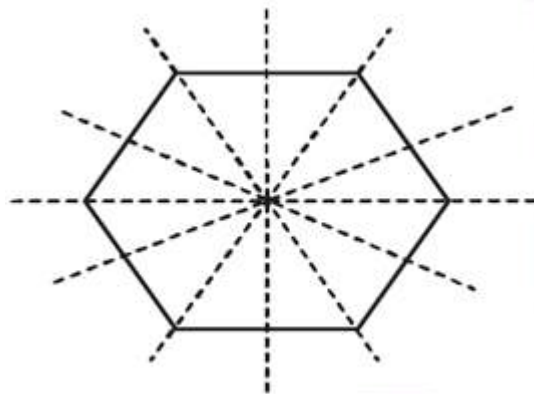The number of lines of symmetry of a circle is unlimited.

9. The number of lines of symmetry of a regular hexagon is
(a) 1
(b) 3
(c) 6
(d) 8
Solution:

The option (c) is the correct answer.
The number of lines of symmetry of a regular hexagon is 6.

10. The number of lines of symmetry of an n-sided regular polygon is
(a) n
(b) 2n
(c) n/2
(d) none of these
Solution:

The option (a) is the correct answer.
The number of lines of symmetry of an n-sided regular polygon is n.

11. The number of lines of symmetry of the letter O of the English alphabet is
(a) 0
(b) 1

(c) 2
(d) 3
Solution:

The option (c) is the correct answer.
The number of lines of symmetry of the letter O of the English alphabet is 2.

12. The number of lines of symmetry of the letter Z of the English alphabet is
(a) 0
(b) 1
(c) 2
(d) 3
Solution:

The option (a) is the correct answer.
The number of lines of symmetry of the letter Z of the English alphabet is 0.