

OBJECTIVE TYPE QUESTIONS

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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.

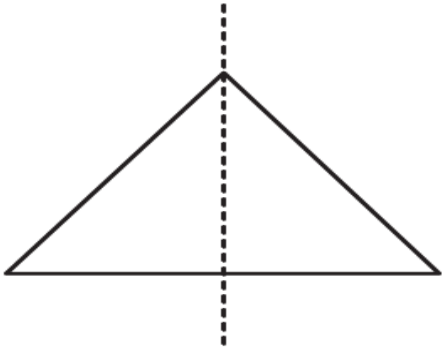
2. The total number of lines of symmetry of an isosceles triangle is

- (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.

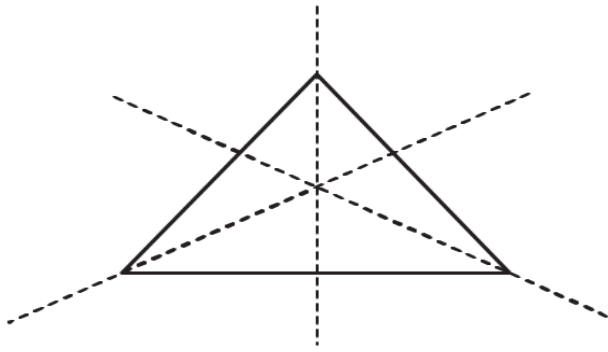
**3. An equilateral triangle is symmetrical about each of its**

- (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.



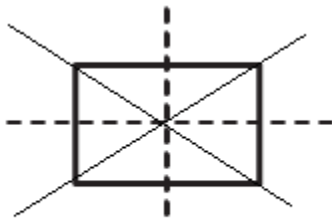
4. The total number of lines of symmetry of a square is

- (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.



Square

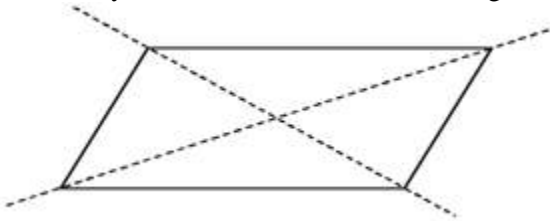
5. A rhombus is symmetrical about

- (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

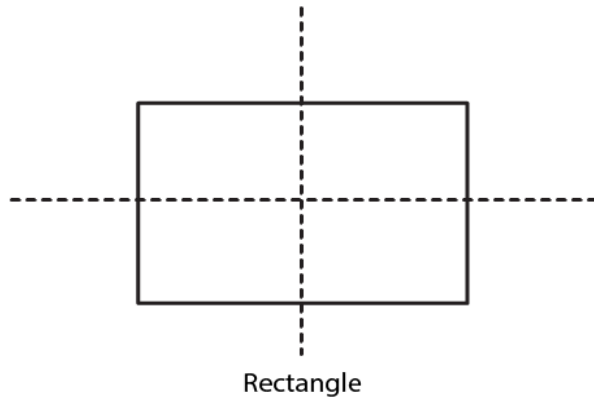
- (a) 0

- (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.



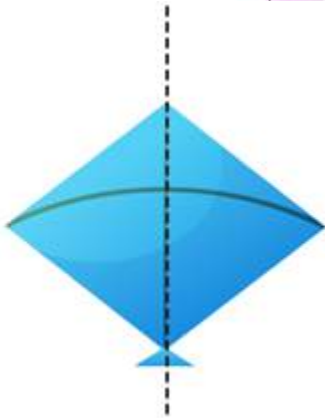
7. The number of lines of symmetry of a kite is

- (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.



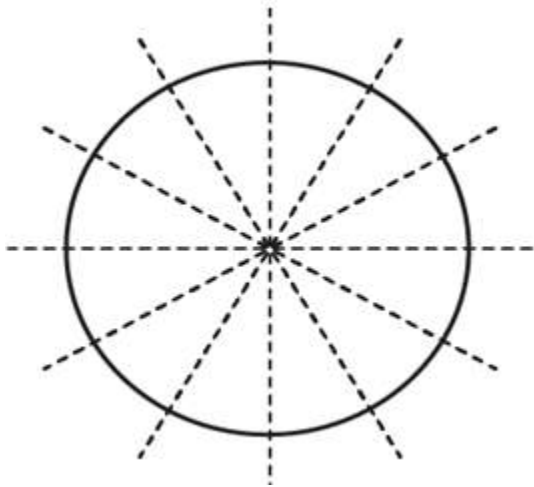
8. The number of lines of symmetry of a circle is

- (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.



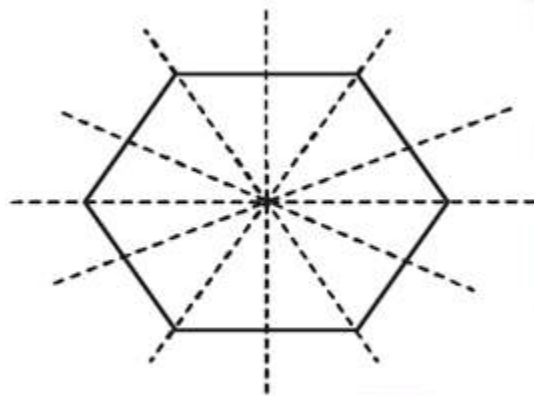
9. The number of lines of symmetry of a regular hexagon is

- (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.

