

RD SHARMA

Solutions

Class 6 Maths

Chapter 17

Ex 17.4

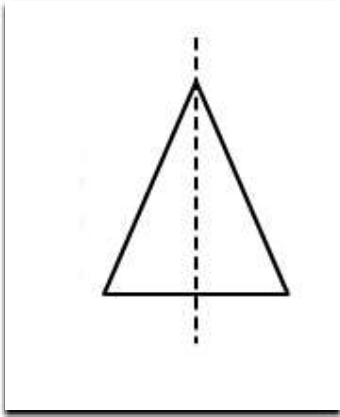
1. The total number of lines of symmetry of a scalene triangle is

Soln: (d) none of these

This is because the line of symmetry of a scalene triangle is 0.

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

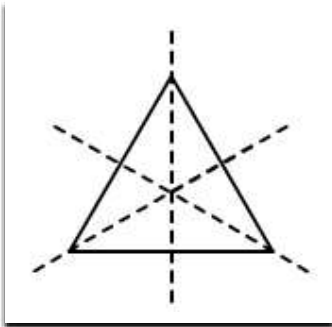
Soln: (a) 1



3. An equilateral triangle is symmetrical about each of its

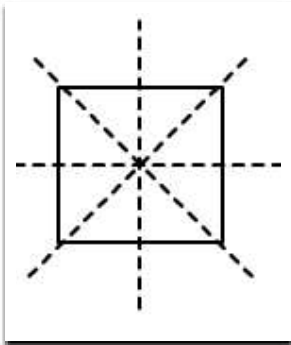
Soln: (d) all the above

In equilateral triangle altitudes, angle bisectors and medians are all the same.



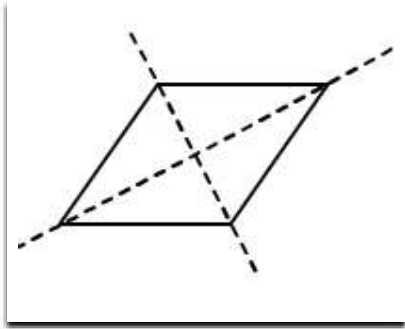
4. The total number of lines of symmetry of a square is

Soln: (d) 4



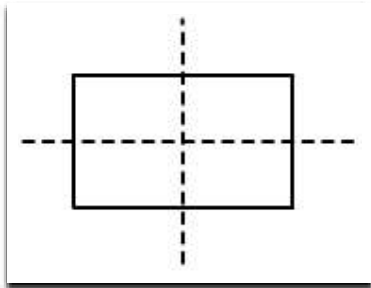
5. A rhombus is symmetrical about

Soln: (a) Each of its diagonals



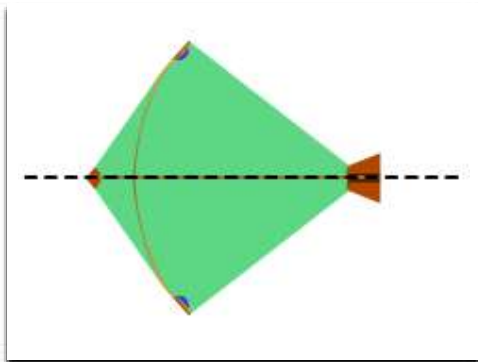
6. The number of lines of symmetry of a rectangle is

Soln: (b) 2



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

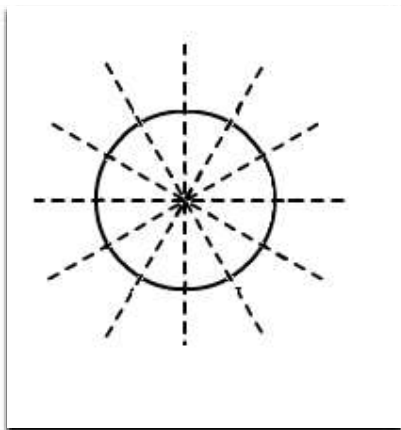
Soln: (b) 1



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

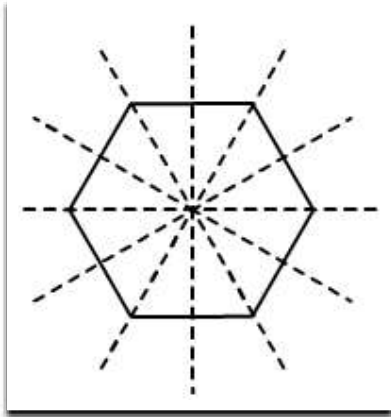
Soln: (d) Unlimited

A circle has an infinite number of symmetry all along the diameters. It has an infinite number of diameters



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

Soln: (c) 6



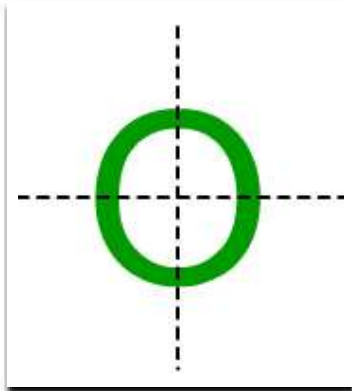
10. The number of lines of symmetry of an n -sided regular polygon is

Soln: (a) n

The number of lines of symmetry of a regular polygon is equal to the sides of the polygon. If it has ' n ' number of sides, then there are ' n ' lines of symmetry

11. The number of lines of symmetry of the letter O of the English alphabet is

Soln: (c) 2



12. The number of lines of symmetry of the letter Z of the English alphabet is

Soln: (a) 0

Z has no line of symmetry