Symmetry Ex 18.1 Q1
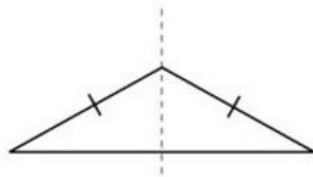
Answer :

(i) An equilateral triangle has 3 lines of symmetry.

(ii) An isosceles triangle has 1 line of symmetry.

(iii) A scalene triangle has no line of symmetry.

(iv) A rectangle has 2 lines of symmetry.

(v) A rhombus has 2 lines of symmetry.

(vi) A square has 4 lines of symmetry.

(vii) A parallelogram has no line of symmetry.

(viii) A quadrilateral has no line of symmetry.

(ix) A regular pentagon has 5 lines of symmetry.

(x) A regular hexagon has 6 lines of symmetry.

(xi) A circle has an infinite number of lines of symmetry all along the diameters.

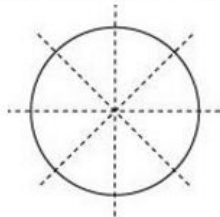(xii) A semicircle has only one line of symmetry.

Symmetry Ex 18.1 Q2

Answer :

(i) An isosceles triangle has only 1 line of symmetry.

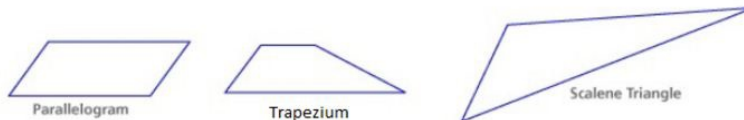This line of symmetry is also known as the **altitude** of an isosceles triangle.

(ii) A circle has an infinite number of lines of symmetry all along its **diameters.**

Symmetry Ex 18.1 Q3

Answer :

A scalene triangle, a parallelogram and a trapezium do not have any line of symmetry.

Parallelogram   Trapezium   Scalene Triangle

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