

## Measuring Angles

The measurement of an angle or its size depends upon the amount of opening between its sides.

### Measuring Angles Using Protractor

A protractor is a geometrical instrument that looks like the letter D. It is used to measure angle and draw angle of required magnitude. The curved edge is divided into 180 equal parts.

Each part is equal to a 'degree'. The markings start from  $0^\circ$  on the right side and end with  $180^\circ$  on the left side and vice-versa.

 Let us follow the steps to measure an angle ABC, using the protractor.

**Step 1:** Place the protractor such that the mid-point of its straight-edge lies on the vertex B of the angle ABC.

**Step 2:** Adjust the protractor such that BC is along the straight- edge of the protractor.

**Step 3:** There are two 'scales' on the protractor: read that scale which has  $0^\circ$  make coinciding with the straight-edge.

**Step 4:** The mark shown by BA on the curved edge gives the degree measure of the angle.

