

## CYLINDER AND CONE

Fig (5) shows the sector of a circle with radius 5.0 cms. and an angle of 108 degrees. It is folded and stuck with the silver side inside to make a cone. Fig (8). The base and height of this cone is the same as that of a film roll bottle - a cylinder. The cone fits snugly into the bottle. Fig (7). There is a relationship between a cone and a cylinder with the same base and the same height. The volume of the cylinder is thrice that of the cone. Test it by pouring one coneful of water in the film bottle. Fig (9). Two coneful, Fig (10), and finally three coneful to top the film-roll bottle with water. Fig (11).

