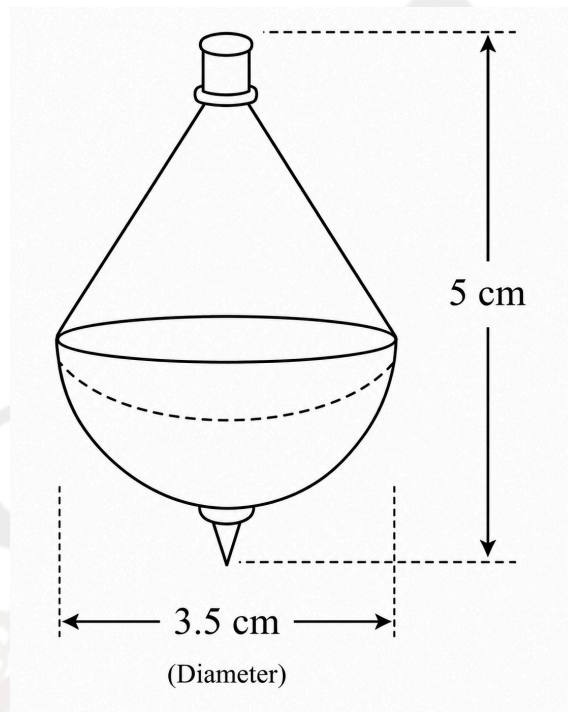


## Class 10 Mathematics - Surface Areas and Volumes

Name: \_\_\_\_\_

Date: \_\_\_\_\_

### Medium Worksheet 2



### Questions

1. Name the solids used in the toy.
2. Find the radius of the hemisphere.
3. Find the height of the conical portion.
4. Find the slant height of the cone.

5. Which surface areas are added to obtain the total surface area?
6. Why is the circular base of the cone not included?

**Answer Key**

1. Cone and Hemisphere
2. 1.75 cm
3.  $5 - 1.75 = 3.25$  cm
4.  $l = \sqrt{(1.75^2 + 3.25^2)} \approx 3.7$  cm
5. CSA of Cone + CSA of Hemisphere
6. It is joined to the hemisphere.