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NCERT Mathematics Class 10 Exemplar Ch 12 Surface Areas and Volumes Part 1

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EXERCISE 12.1

1. A cylindrical pencil sharpened at one edge is the combination of

- (A) a cone and a cylinder (B) frustum of a cone and a cylinder
(C) a hemisphere and a cylinder (D) two cylinders.

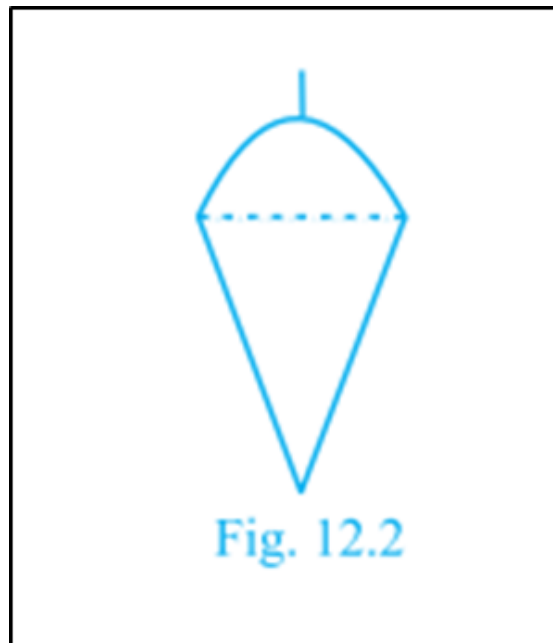
Answer: A

2. A surahi is the combination of

- (A) a sphere and a cylinder (B) a hemisphere and a cylinder
(C) two hemispheres (D) a cylinder and a cone.

Answer: A

3. A plumb line (sahul) is the combination of (see Fig. 12.2)

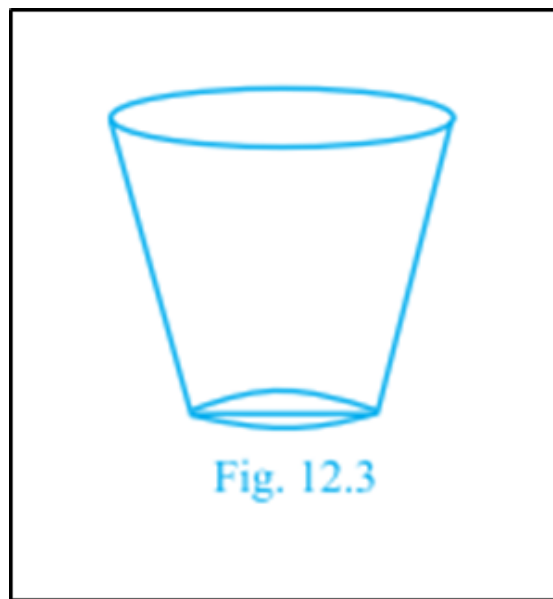


- (A) A cone and a cylinder (B) A hemisphere and a cone
(C) Frustum of a cone and a cylinder (D) Sphere and cylinder

Answer: B

4. The shape of a glass (tumbler) (see Fig. 12.3) is usually in the form of

- (A) A cone (B) Frustum of a cone
(C) A cylinder (D) A sphere



Answer: B

5. The shape of a gilli, in the gilli-danda game (see Fig. 12.4) , is a combination of

- (A) Two cylinders (B) A cone and a cylinder
(C) Two cones and a cylinder (D) Two cylinders and a cone



Answer: C

6. A shuttle cock used for playing badminton has the shape of the combination of

(A) a cylinder and a sphere (B) a cylinder and a hemisphere

(C) a sphere and a cone (D) frustum of a cone and a hemisphere

Answer: D