1. What cross-sections do you get when you give a
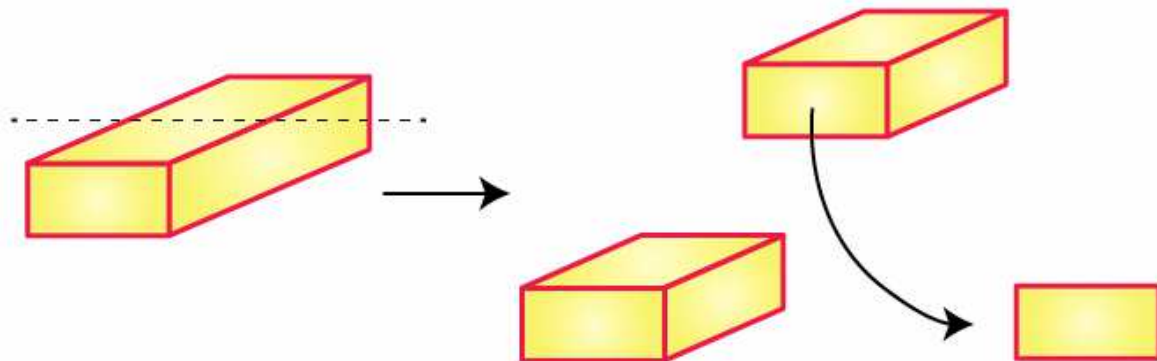
(i) vertical cut (ii) horizontal cut
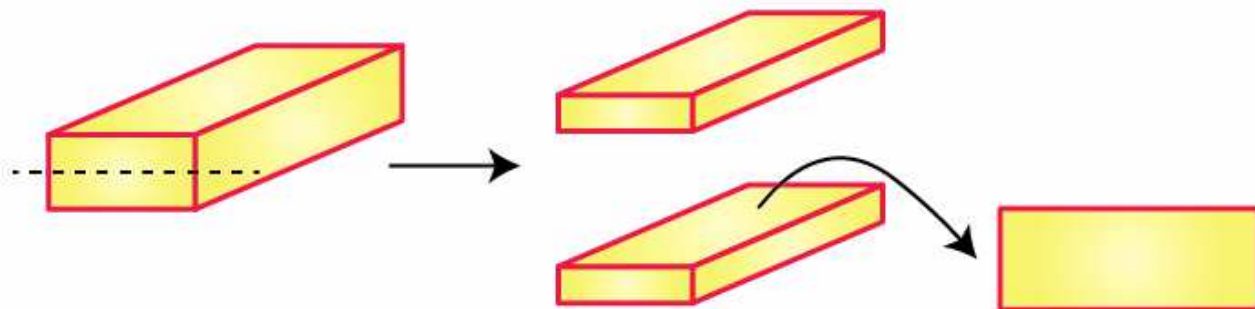
to the following solids?

(a) A brick

Solution:-

The cross-section of a brick when it is cut into vertically is as shown in the figure below,
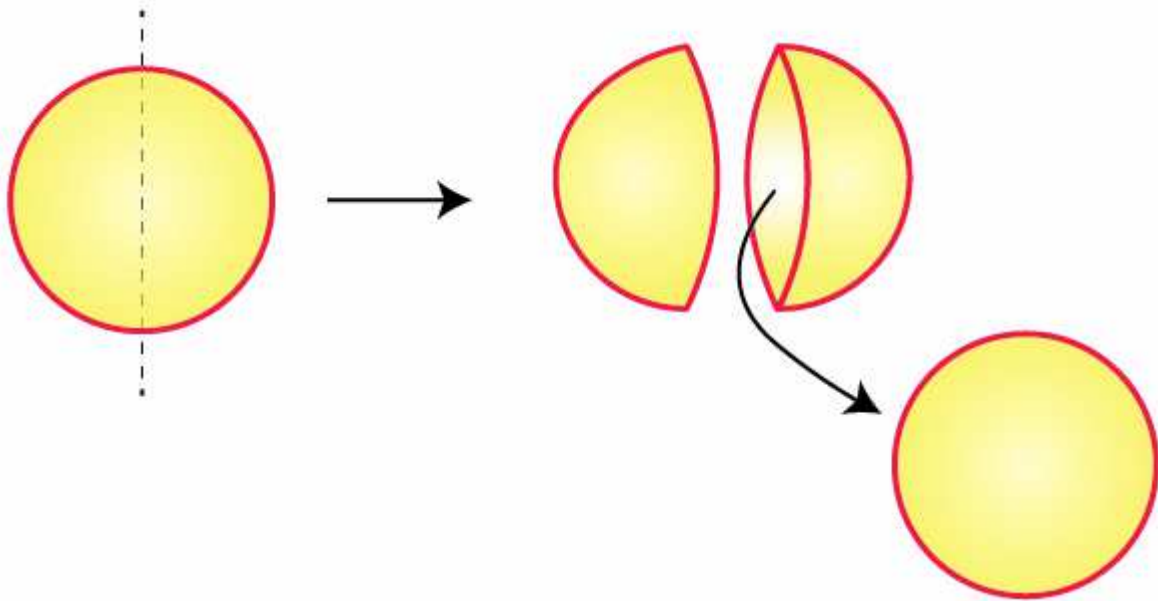
The cross-section of a brick when it is cut into horizontally is as shown in the figure below,

(b) A round apple

Solution:-

The cross-section of a round apple when it is cut into vertically is as shown in the figure below,

The cross-section of a round apple when it is cut into horizontally is as shown in the figure below,

(c) A die
Solution:-
The cross-section of a die when it is cut into vertically is as shown in the figure below,

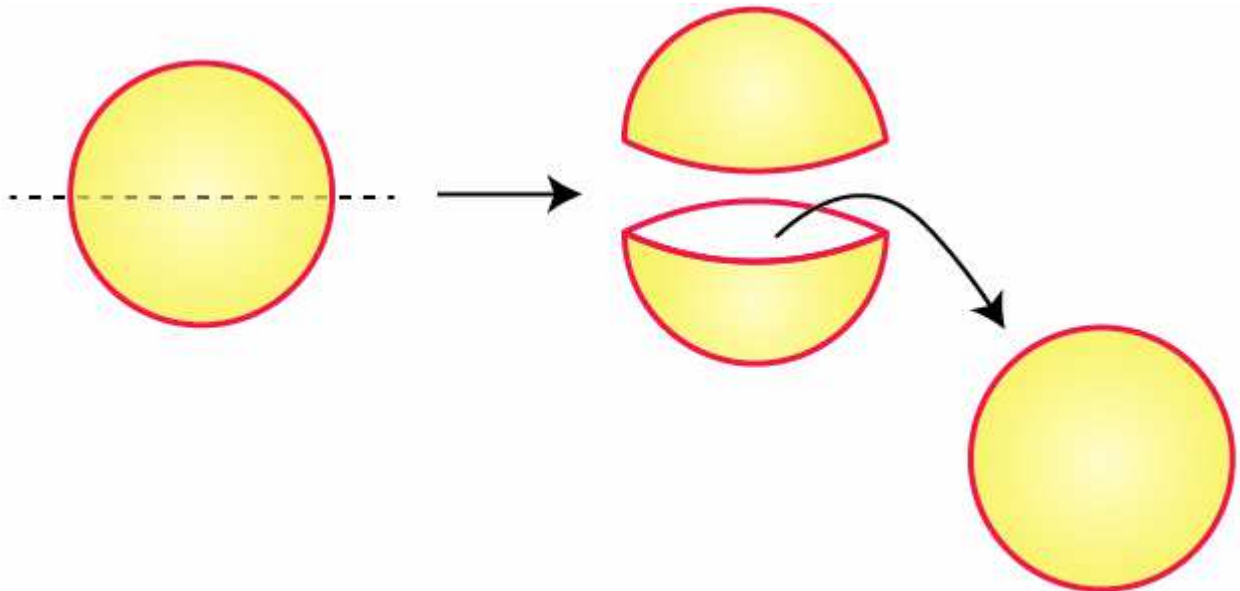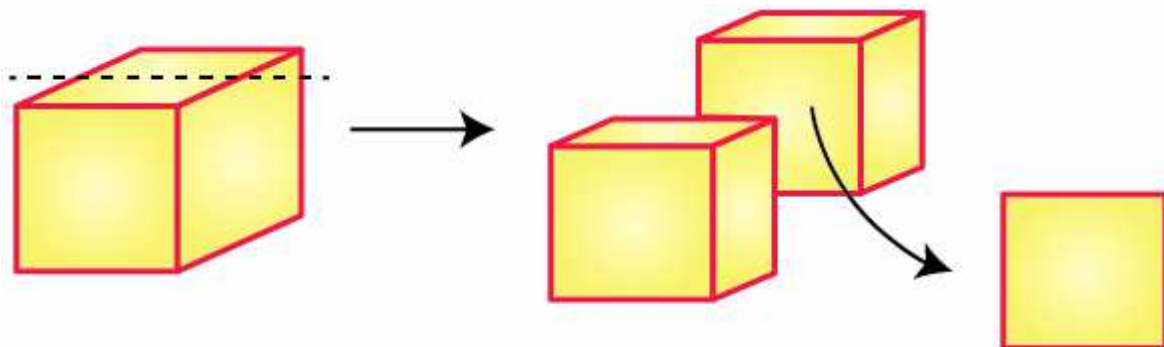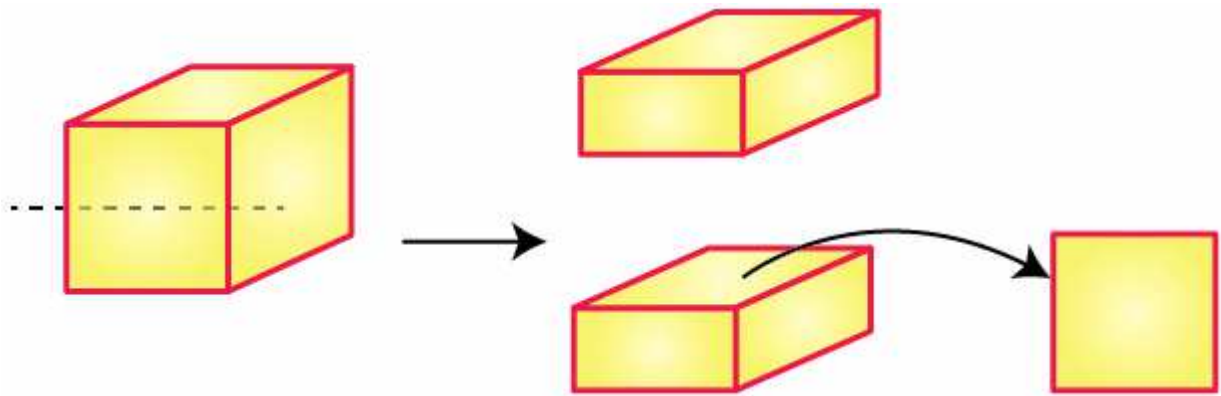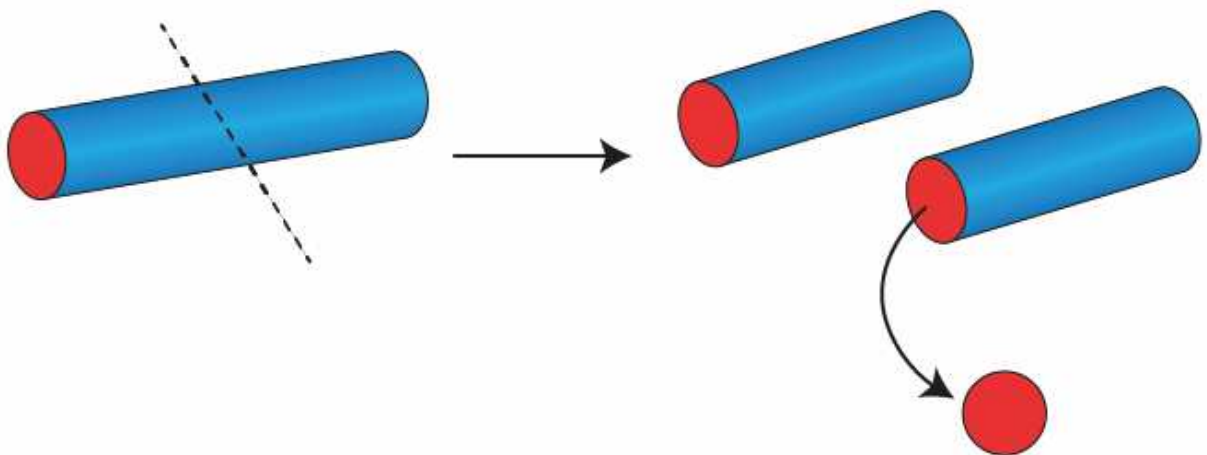The cross-section of a die when it is cut into horizontally is as shown in the figure below,
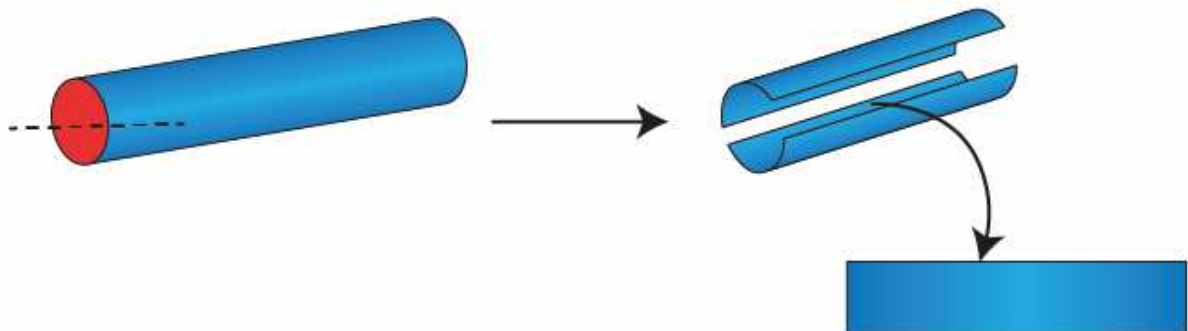
(d) A circular pipe

Solution:-

The cross-section of a circular pipe when it is cut into vertically is as shown in the figure below,
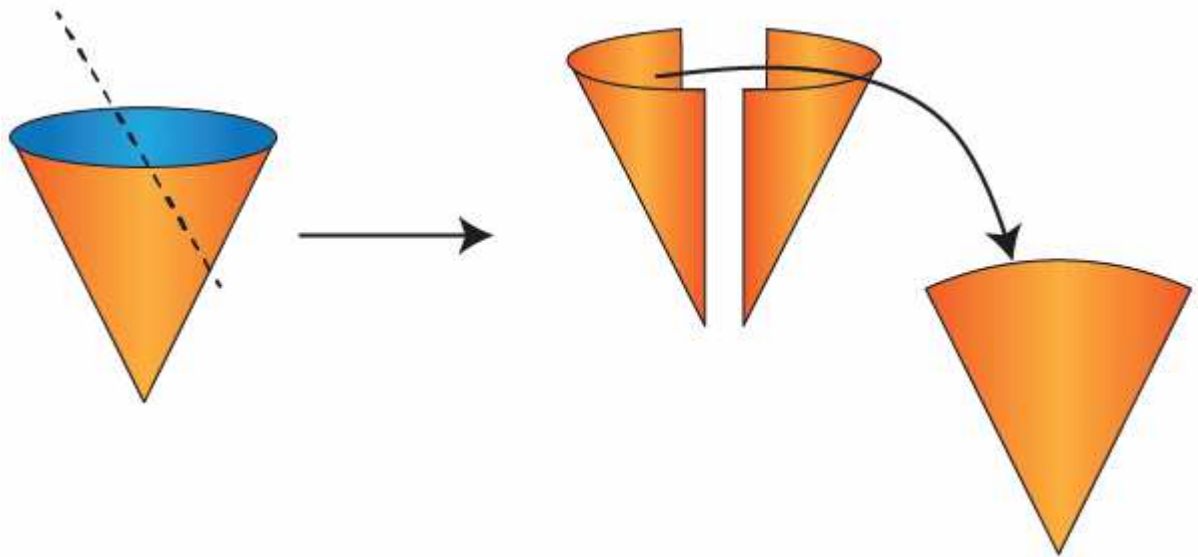

The cross-section of a circular pipe when it is cut into horizontally is as shown in the figure below,

(e) An ice cream cone

Solution:-

The cross-section of an ice cream when it is cut into vertically is as shown in the figure below,

The cross-section of an ice cream when it is cut into horizontally is as shown in the figure below,