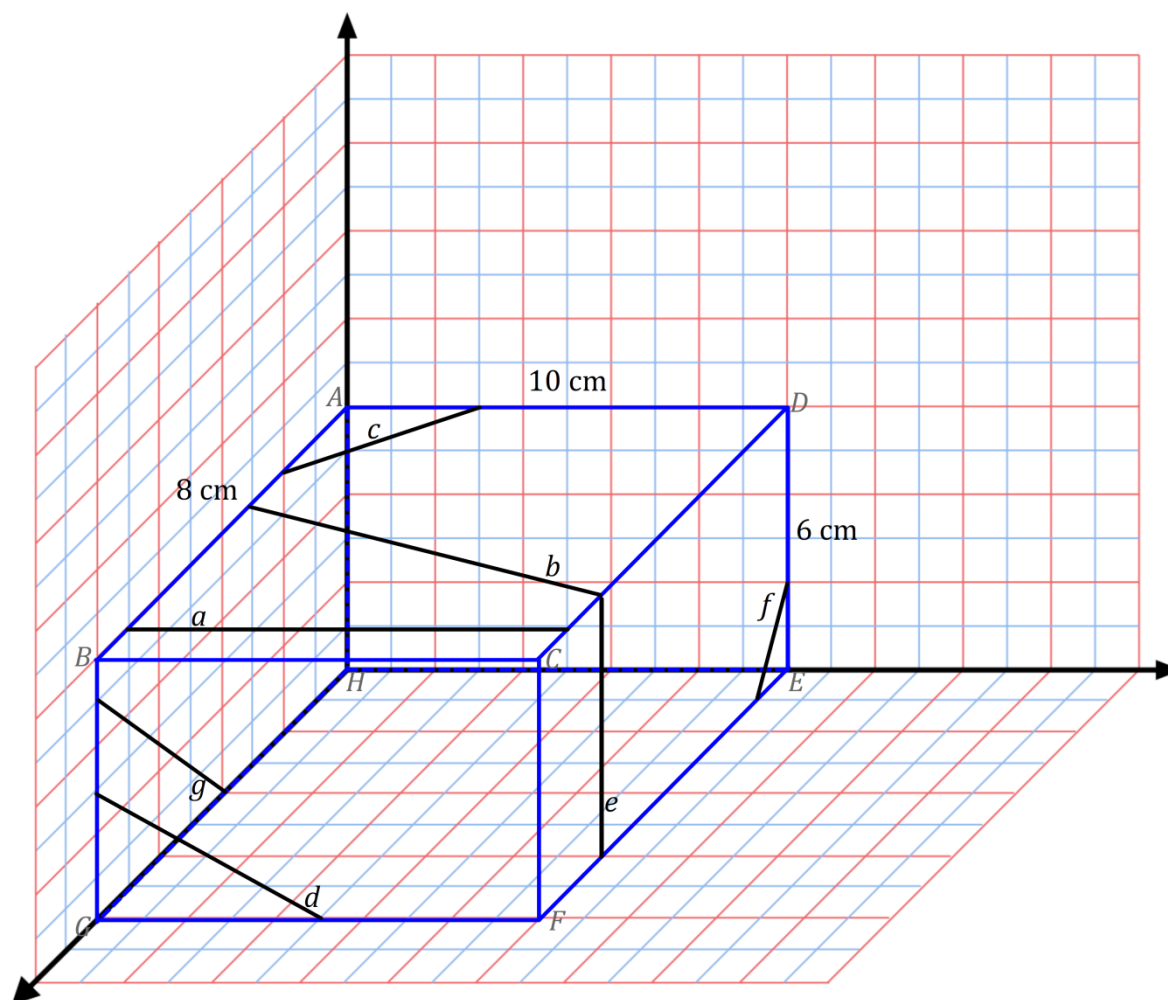


## Lesson Summary

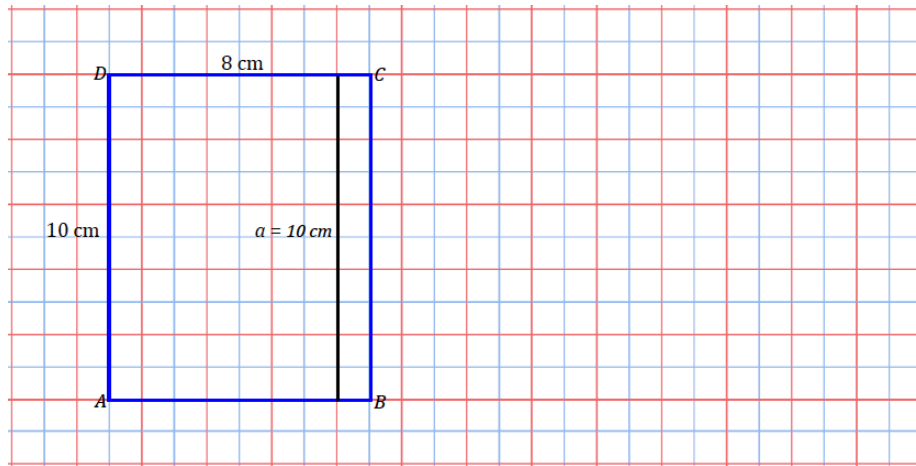
- A slice, also known as a plane section, consists of all the points where the plane meets the figure.
- A slice made parallel to a face in a right rectangular prism will be parallel and identical to the face.
- A slice made perpendicular to a face in a right rectangular prism will be a rectangular region with a height equal to the height of the prism.

## Problem Set

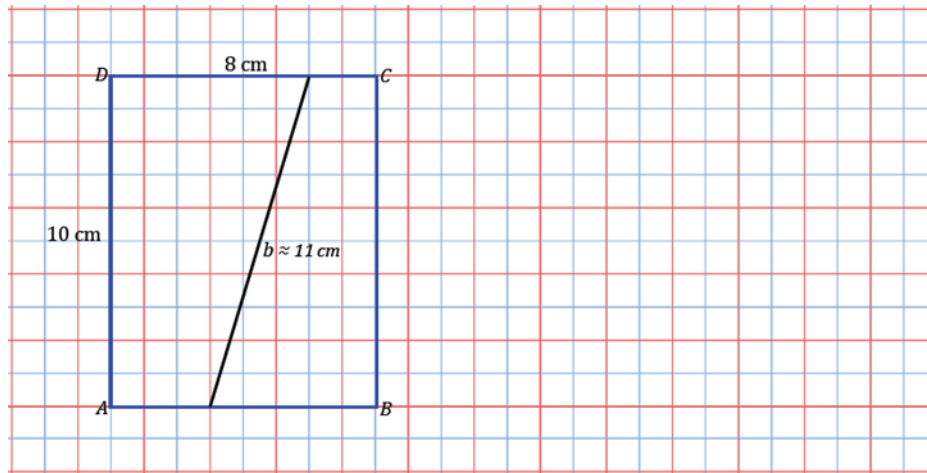
A right rectangular prism is shown along with line segments that lie in a face. For each line segment, draw and give the approximate dimensions of the slice that results when the slicing plane contains the given line segment and is perpendicular to the face that contains the line segment.



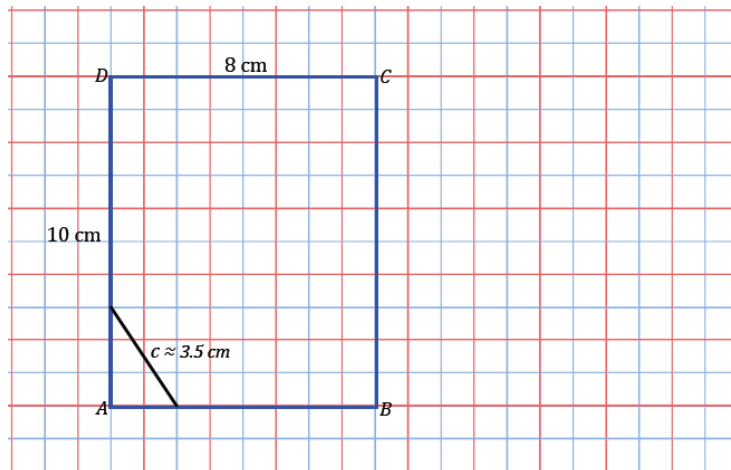
a.



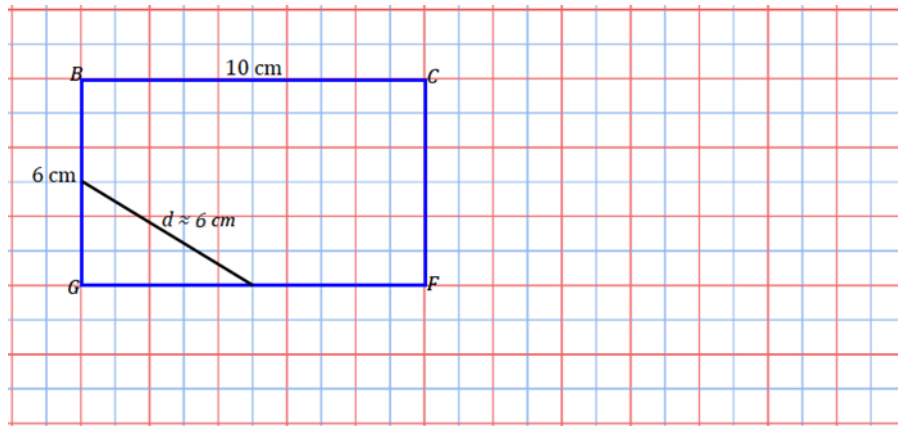
b.



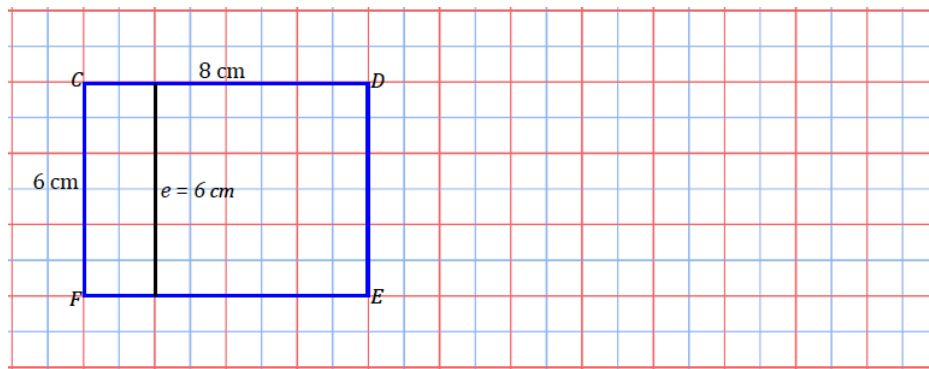
c.



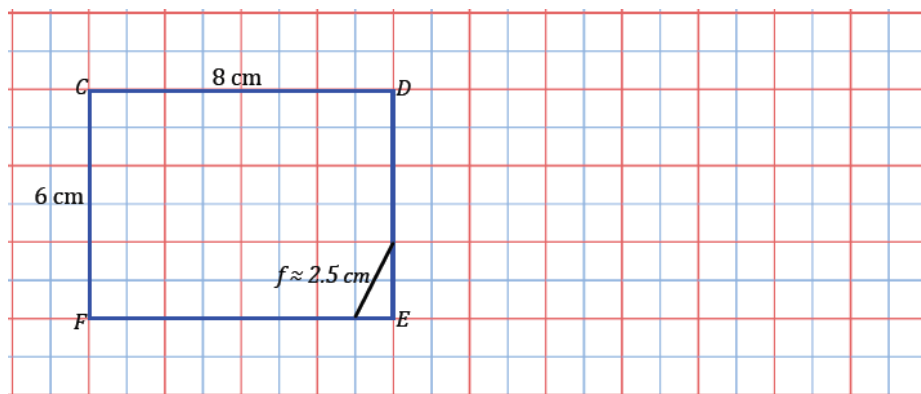
d.



e.



f.



g.

