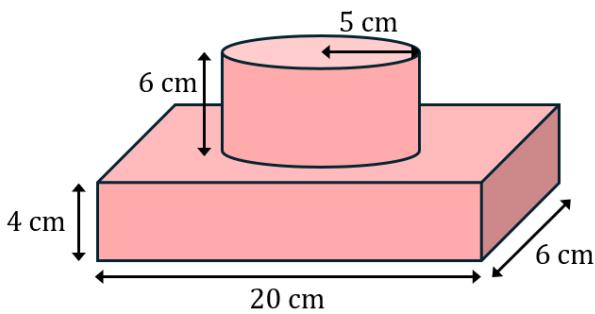


Volume and Surface Area of Compound Curved Shapes

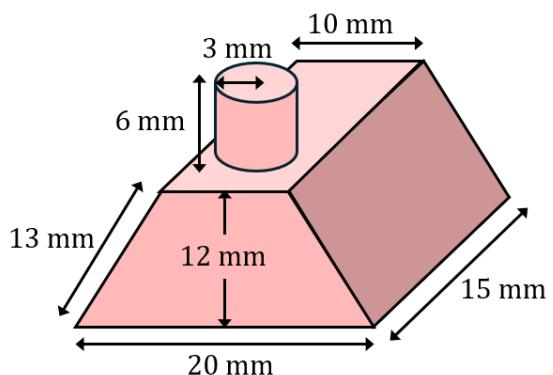
(a)

Find the volume and surface area of the compound shape.



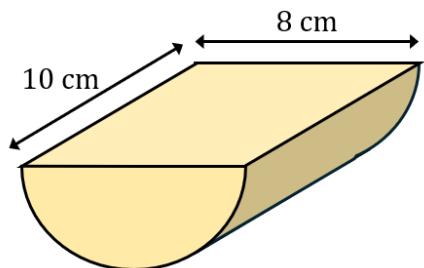
(b)

Find the volume and surface area of the compound shape.



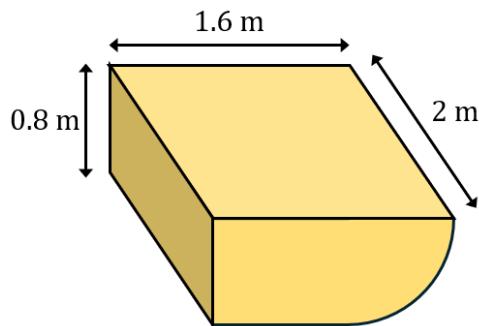
(c)

Find the volume and surface area of the semi-cylinder shown.



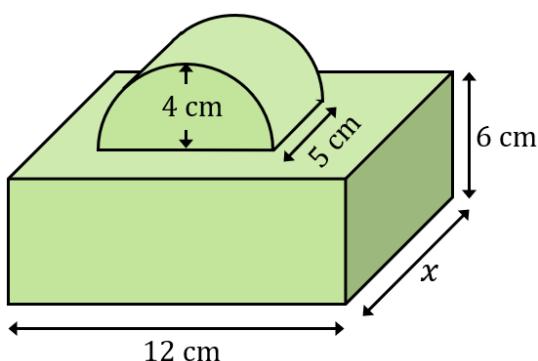
(d)

Find the volume and surface area of the compound shape shown.



(e)

The volume of the compound shape is 630 cm^3 . Find the missing length x and the total surface area of the shape.



(f)

A quarter cylinder is cut from a cuboid. The volume of the resulting shape is 292 cm^3 . Find the radius r and the total surface area of the shape.

