

Surface Area

1. Find the surface area of each of the following cuboids with dimensions:

- (a) $l = 10 \text{ cm}$, $b = 5 \text{ cm}$, $h = 4 \text{ cm}$,
(b) $l = 8 \text{ m}$, $b = 2.5 \text{ cm}$, $h = 10 \text{ m}$.

2. Find the surface area of each cube of edge:

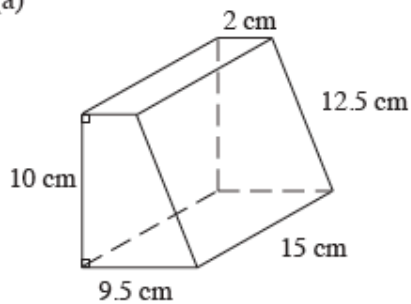
- (a) 2 cm ,
(b) 9.2 m .

3. The surface area of a cube is 24 cm^2 .

- (a) What is the area of each face?
(b) Find the length of each edge.

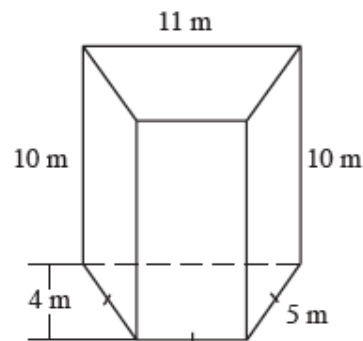
4. Find the surface area of each of the following prisms:

- (a)

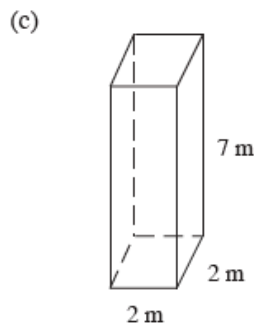


Trapezoidal prism

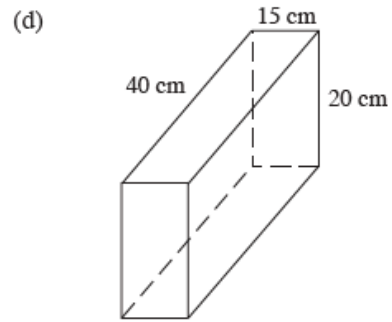
- (b)



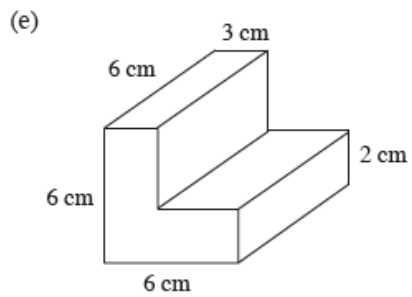
Trapezoidal prism



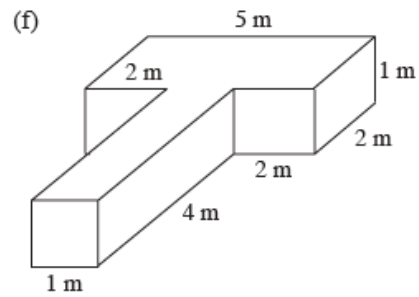
Square prism



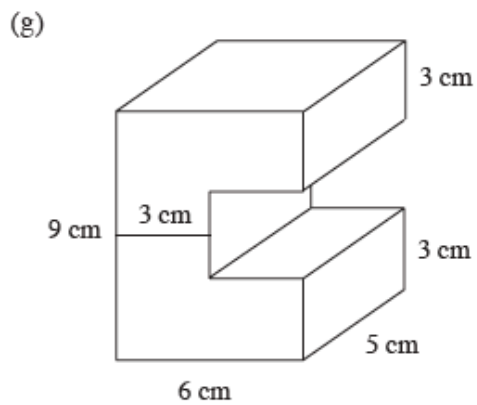
Rectangular prism



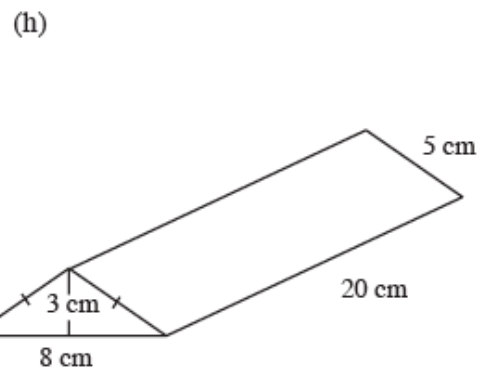
L-shaped prism



T-shaped prism

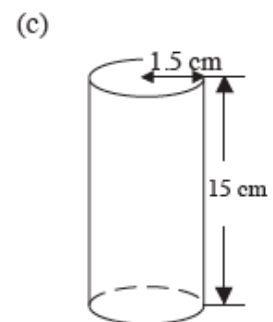
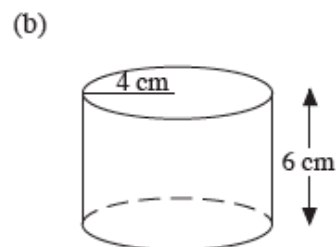
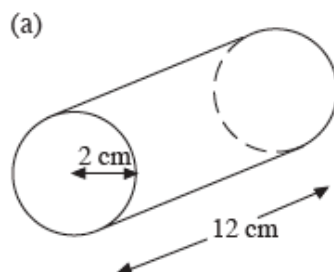


C-shaped prism



Triangular prism

5. Find the surface area of the following cylinders:



6. A cylindrical vase has a base whose external diameter is 8 cm and height is 12 cm. Find its external surface area.
7. If the area of the curved surface of a cylinder is 44 m^2 and its height is 2 m, find the radius of its circular ends.
8. Ali wants to wrap a hollow tube of length 21 cm with paper. He needs an extra 400 cm^2 of paper to fold over the edges. If the radius of the ends of the tube is 5 cm, how much paper does Ali need altogether?