

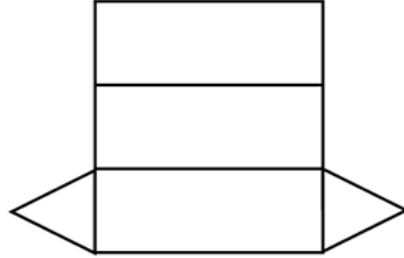
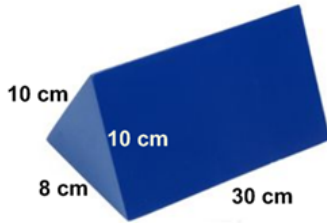
Surface Area of Prisms and Cylinders**Prism Surface Area:**

$$A_{\text{total}} = 2 \times A_{\text{base}} + A_{\text{rectangles}}$$

Cylinder Surface Area:

$$A_{\text{total}} = 2\pi r^2 + 2\pi rh$$

Example 1: Calculate the surface area of the following triangular-based prism.



Example 2: Three tennis balls are packaged in a cylindrical container. If each tennis ball has a diameter of 67 mm, what is the minimum amount of material required for the container to the nearest square cm. (Assume no waste, no extra needed for seams.)