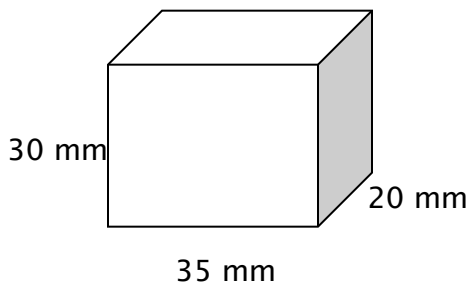


## Day 2: Nets and Patterns- Review

Draw the net of the following objects using appropriate scales on graph paper.

a) a triangular prism with triangle side lengths 10cm and prism height 30cm.

b)



2. Create a pattern for a cube with all dimensions 5 cm. Allow for flaps to join the parts together. Assemble the pattern to form the cube.
3. How would the net of a box with a closed top differ from the net of the same box with an open top? Sketch the net for each case to demonstrate the difference.
4. Draw a net that may appear to fold up into a closed 3-D object, but really does not. Explain why it does not create a closed object.

**SOMERVILLE'S NETS!!!!!!!!!!**

### Activity

1. Students will be put into groups
2. Each group will be given a different 3-D figure (i.e., a cube, triangular prism, pyramid, etc.)
3. Your group is to construct your figure twice:
  - a) once by creating a net of the shape and then folding it up and securing it
  - b) the other by creating a pattern of the shape and joining all of the pieces.
  - c) You will be presenting your figure to the class.