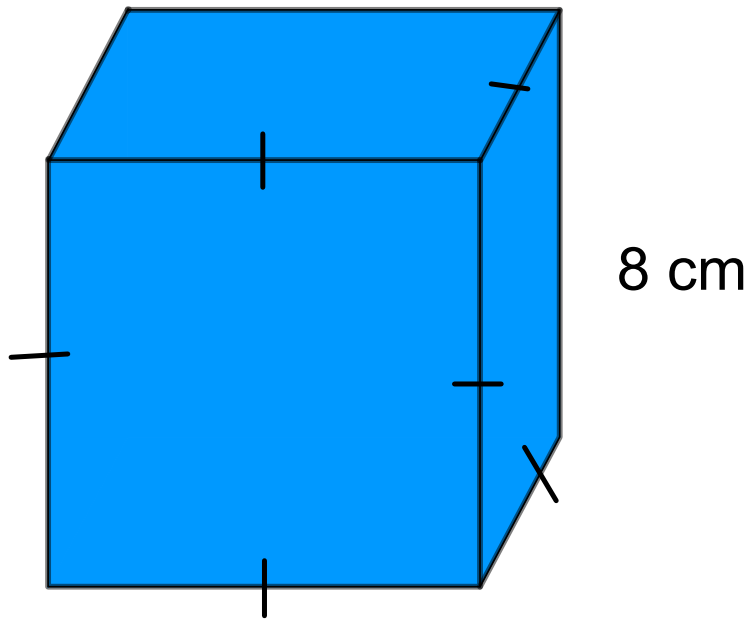


## Math TSA Challenge Question 1

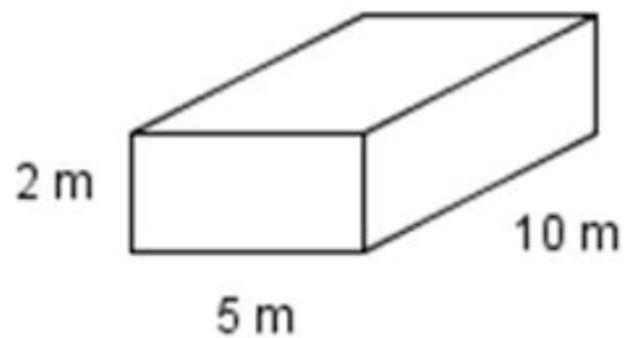
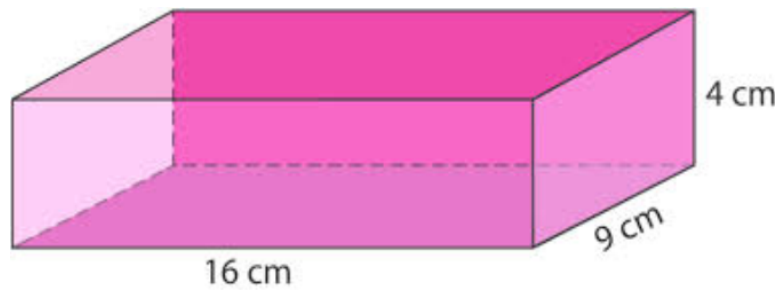
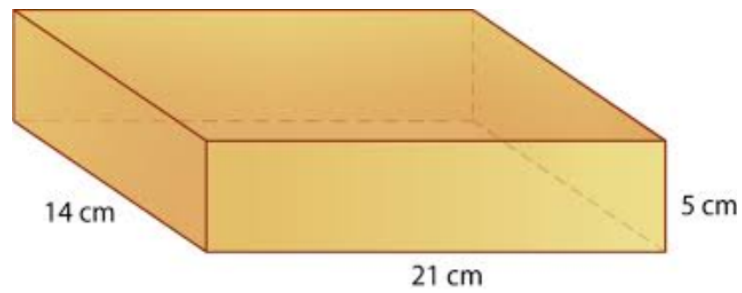
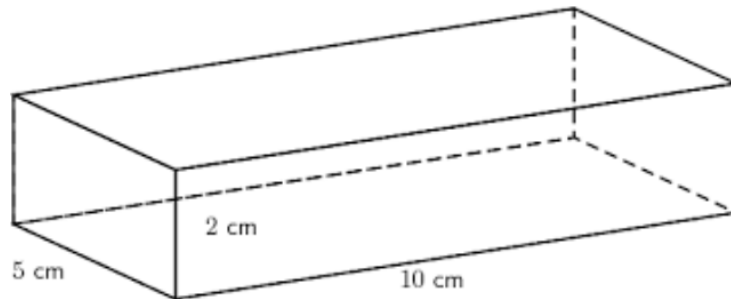
a) Find the TSA of the cube.



b) Sketch a cube that has a TSA of  $125 \text{ cm}^2$ .  
Show your thinking.

## Math TSA Challenge Question # 2

Find the TSA's for the following 4 prisms.



## Math TSA Challenge Question # 3

**Learning Goal:** To use some problem solving strategies to find the measurements of a rectangular prism, given the TSA.

For this question, you are given the TSA and you have to use a problem solving strategy to find the possible measurements.

The TSA of this rectangular prism is  $150 \text{ cm}^2$  Find the side measurements, (dimensions).

