



## Check Up

The right equilateral triangular prism shown has a height of 15 cm. The triangular base has a height of 3.5 cm and side lengths of 4 cm.



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- a. Sketch and label a net with the measurements.
  
  
  
  
  
  
  
  
  
  
- b. Determine the surface area of the prism.



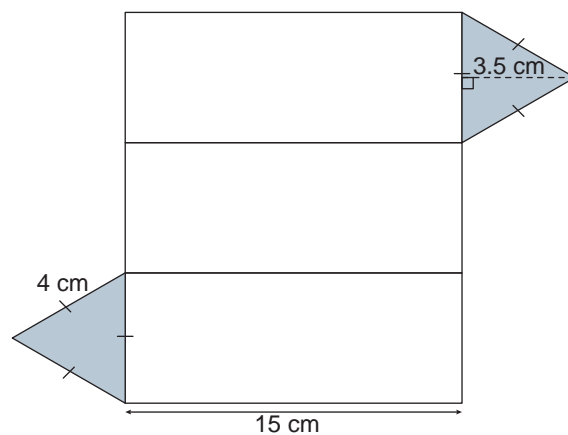
Compare your answers.

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- a. Sketch and label a net with the measurements.



- b. Determine the surface area of the prism.

$$SA = lh + bh + wh + ba$$

$$SA = (4 \text{ cm})(15 \text{ cm}) + (4 \text{ cm})(15 \text{ cm}) + (4 \text{ cm})(15 \text{ cm}) + (4 \text{ cm})(3.5 \text{ cm})$$

$$SA = 60 \text{ cm}^2 + 60 \text{ cm}^2 + 60 \text{ cm}^2 + 14 \text{ cm}^2$$

$$SA = 194 \text{ cm}^2$$

The surface area of the prism is  $194 \text{ cm}^2$ .