

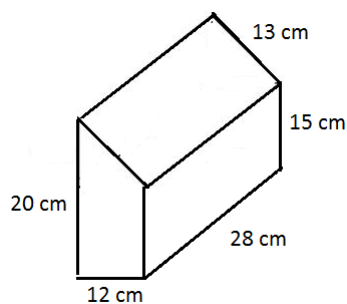
Lesson Summary

- To calculate the surface area of a composite figure, determine the surface area of each prism separately, and add them together. From the sum, subtract the area of the sections that were covered by another prism.
- To calculate the surface area with a missing section, find the total surface area of the whole figure. From the total surface area, subtract the area of the missing parts. Then, add the area of the lateral faces of the cutout prism.

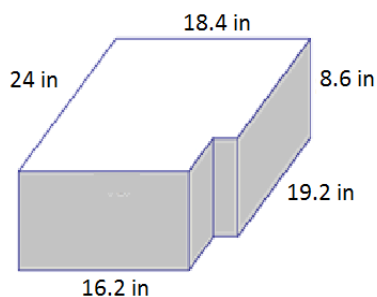
Problem Set

Determine the surface area of each figure.

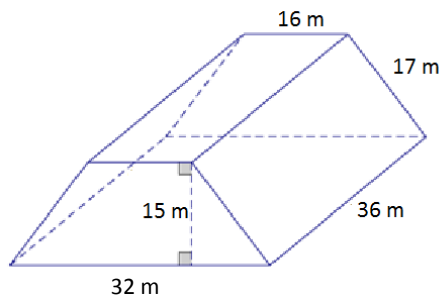
1. In addition to the calculation of the surface area, describe how you found the surface area.



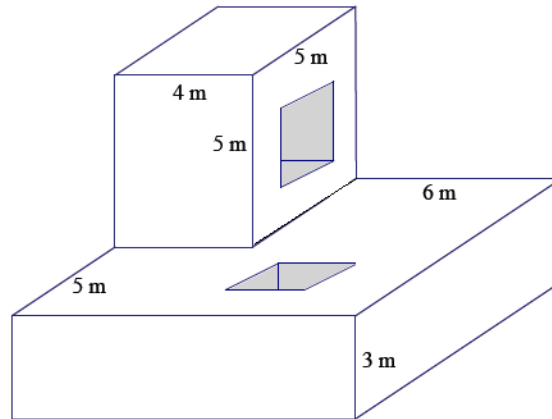
2.



3.



4. Determine the surface area after two square holes with a side length of 2 m are cut through the solid figure composed of two rectangular prisms.



5. The base of a right prism is shown below. Determine the surface area if the height of the prism is 10 cm. Explain how you determined the surface area.

