

Applying Our Knowledge: Surface Area and Prisms

Directions: solve the following 3 questions.

1. How does one find the surface area of a right prism?

2. David bought a dictionary for his English tutor as a gift. Help David find the surface area of the dictionary so that he knows how much wrapping paper to buy. Assume all sides are flat, meaning that the cover and back have no overhang.

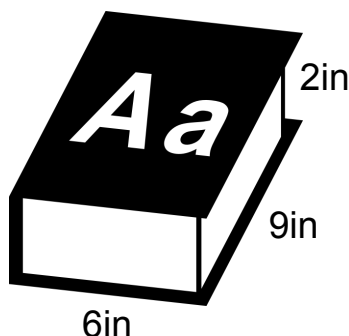
Goal: What is the surface area of the dictionary?

Guiding Questions:

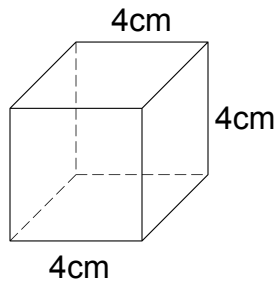
- a. What will you do first? Write a sentence to explain your thinking.

- b. What will you do next? Write a sentence to explain your thinking.

- c. What will you do last? Write a sentence to explain your thinking.



3. A. Find the surface area of the image below.
B. Do you notice anything about this shape that is similar or different from the shape in question 1?



4. Find the surface area of the step stool. (Hint: the stool is made of two rectangular prisms stacked on top of one another).

