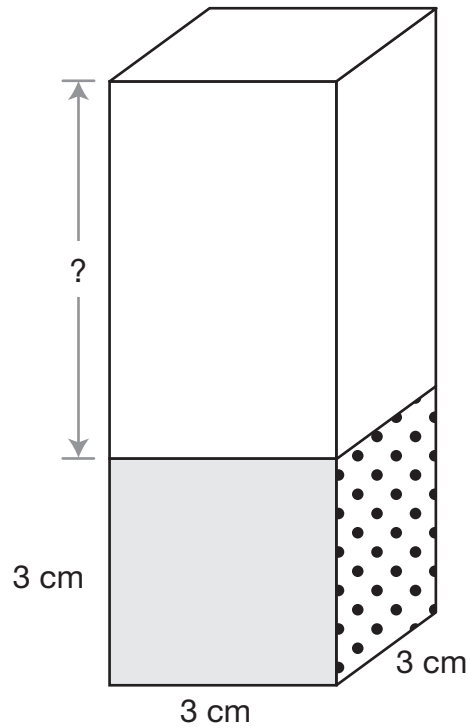**6.** The following shape is built from a white box and a shaded cube. The volume of the shape is 72 cm^3.

?

3 cm

3 cm

3 cm

Use the following steps to find the height of the white box. Include units.

A. Find the volume of the cube. _____

B. Find the volume of the white box. _____

C. What is the length of the white box? _____

D. What is the width of the white box? _____

E. Find the height of the white box. _____