

Set D7 ★ Independent Worksheet 2



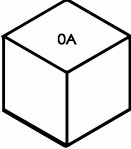
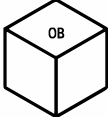
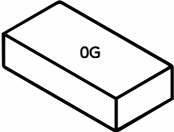
INDEPENDENT WORKSHEET

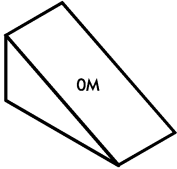
Fabulous Flea Circus!

You'll need the geoblocks and the centimeter cubes to do these sheets.

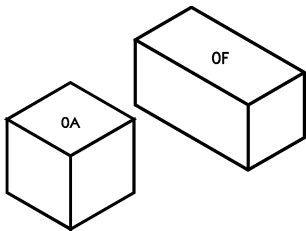
The Fabulous Flea Circus is coming to town! The circus owners need tents with a volume of 60–70 cubic centimeters each. The available tents have the same volume as the geoblocks shown below.

1 Use the centimeter cubes to estimate and then measure the volume of each of the geoblocks below. Try to find ways that are faster than counting every cube. Then decide which tents (geoblocks) the circus owners should choose for their Flea Circus.

Geoblock	Volume Estimate (in cubic cm.)	Actual Volume (in cubic cm.)	Does this tent have a volume of 60–70 cubic cm? (Yes/No)
a 			
b 			
c 			

Geoblock	Volume Estimate (in cubic cm.)	Actual Volume (in cubic cm.)	Does this tent have a volume of 60–70 cubic cm? (Yes/No)
<p>1d</p>  <p>Hint Use another geoblock to help find the volume of OM.</p>			

2a Find geoblocks OA and OF. If you need to select a tent with the greatest volume, which of these two tents would you choose? Use labeled sketches, numbers, and/or words to show how you found the volume of each.



b What is the difference between the volume of OA and OF?