Name: _____

Volume of Rectangular Prisms

Zoe paints small wooden boxes and places her gemstones in them. The table below shows the dimensions of each box. Find the volume of each box.

box color	length	width	height	volume
green box	9 cm	6 cm	2 cm	
yellow box	2 cm	4 cm	7 cm	
orange box	3 cm	5 cm	5 cm	
brown box	8 cm	4 cm	3 cm	
red box	4 cm	6 cm	7 cm	
blue box	2 cm	5 cm	8 cm	

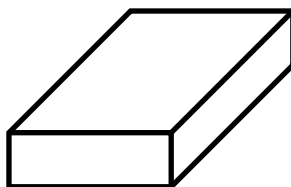volume = 168 cm³   volume = 96 cm³   volume = 80 cm³
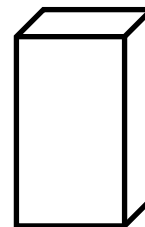
d.
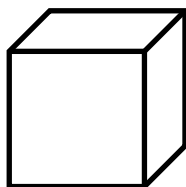
volume = 75 cm³

e.

volume = 108 cm³

f.

volume = 56 cm³

g. Zoe also has a black box. It is 14 cm tall, 3 cm deep, and 2 cm wide. What is the volume of this box?

_____

Volume of Rectangular Prisms

Zoe paints small wooden boxes and places her gemstones in them. The table below shows the dimensions of each box. Find the volume of each box.

box color	length	width	height	volume
green box	9 cm	6 cm	2 cm	**108 cm³**

g. Zoe also has a black box. It is 14 cm tall, 3 cm deep, and 2 cm wide. What is the volume of this box?

84 cm³