Name: _____

Volume of Rectangular Prisms

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

box color	length	width	height	volume
orange box	1.8 cm	1.2 cm	0.2 cm	
brown box	6 cm	12 cm	14.5 cm	
red box	3 cm	5.3 cm	5.2 cm	
blue box	12 cm	6 cm	4.5 cm	
green box	0.4 cm	0.6 cm	0.7 cm	
yellow box	4.2 cm	10 cm	16 cm	

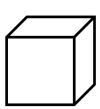volume = 0.168 cm³   volume = 324 cm³   volume = 672 cm³
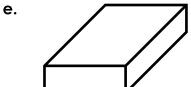
d.   e.   f.
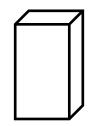
volume = 82.68 cm³   volume = 0.432 cm³   volume = 1,044 cm³

g. Nikki also has a black box. It is 2.8 cm tall, 6 cm deep, and 4.5 cm wide. What is the volume of this box?

_____

ANSWER KEY

Volume of Rectangular Prisms

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

box color	length	width	height	volume
orange box	1.8 cm	1.2 cm	0.2 cm	**0.432 cm³**

6 cm deep, and 4.5 cm wide. What is the
volume of this box?

75.6 cm³

CW