

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	



Preview

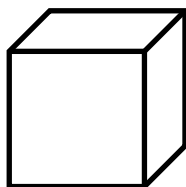
Please log in to download
the printable version of this worksheet.

volume = 168 cm^3

volume = 96 cm^3

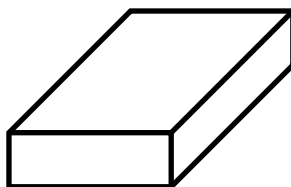
volume = 80 cm^3

d.



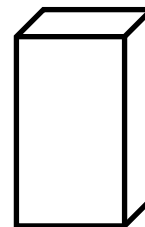
volume = 75 cm^3

e.



volume = 108 cm^3

f.



volume = 56 cm^3

- 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?

ANSWER KEY

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
yellow box	8 cm	4 cm	7 cm	224 cm³

Preview

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3. Zoe also has a black box. It is 11 cm long, 3 cm deep, and 2 cm wide. What is the volume of this box?

84 cm³