Name: _____
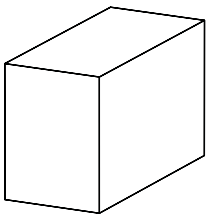
Volume of Rectangular Prisms

Benicio is painting small boxes to use in a diorama. The table below shows the dimensions of each box. Find the volume for each box.

box color	length	width	height	volume
red	$4\frac{1}{2}$ cm	$9\frac{1}{2}$ cm	12 cm	
blue	$14\frac{2}{5}$ cm	$6\frac{3}{5}$ cm	$8\frac{4}{5}$ cm	
green	$10\frac{1}{3}$ cm	$4\frac{2}{3}$ cm	$9\frac{1}{3}$ cm	
yellow	6 cm	$13\frac{1}{2}$ cm	$10\frac{1}{2}$ cm	
orange	$9\frac{2}{3}$ cm	8 cm	$7\frac{2}{3}$ cm	
brown	$13\frac{1}{\,}$ cm	$12\frac{1}{\,}$ cm	$4\frac{3}{\,}$ cm	

d. volume = $836\frac{44}{125}$ cm³
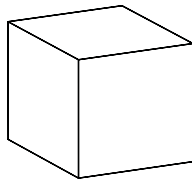
e. volume = $592\frac{24}{27}$ cm³
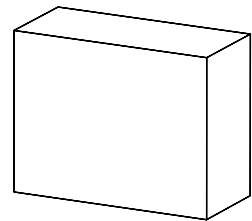
f. volume = $850\frac{1}{2}$ cm³

g. Benicio also made a purple box. It is $5\frac{4}{5}$ cm tall, $7\frac{1}{5}$ cm deep, and $9\frac{3}{5}$ cm wide. What is the volume of this box in a mixed fraction?

Volume of Rectangular Prisms

Benicio is painting small boxes to use in a diorama. The table below shows the dimensions of each box. Find the volume for each box.

box color	length	width	height	volume
red	$4\frac{1}{2}$ cm	$9\frac{1}{2}$ cm	12 cm	**513 cm³**

What is the volume of this box in a mixed fraction?

$400\frac{112}{125}$ cm³