

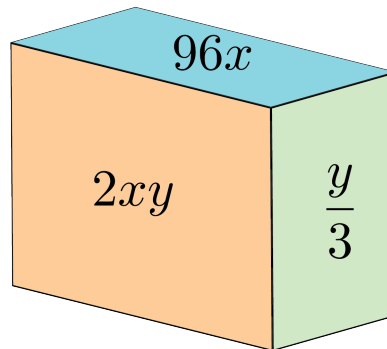


## Problem of the Week

### Problem D

#### I Want Some Volume

The areas of the front, side, and top faces of a rectangular prism are  $2xy$ ,  $\frac{y}{3}$ , and  $96x$  cm<sup>2</sup>, respectively.



Calculate the volume of the rectangular prism in terms of  $x$  and  $y$ .

