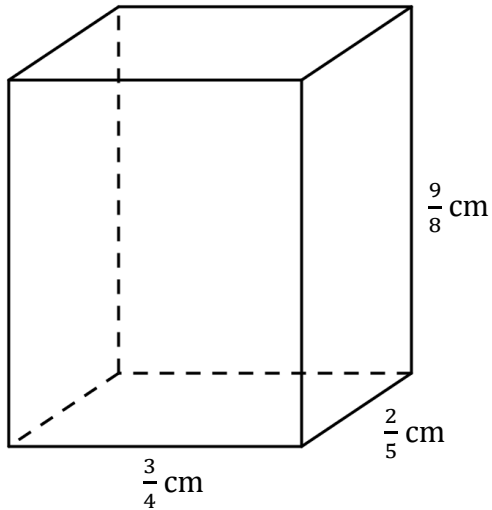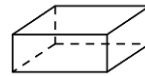Name _____ Date_____

Imagine that the prism pictured below is packed full of smaller identical prisms. The length of each edge of the small prisms is a **unit fraction**.

$\frac{9}{8}$ cm

$\frac{2}{5}$ cm

$\frac{3}{4}$ cm

1. Give the dimensions of the small prisms that can be used to pack the larger prism.

2. How many of the small prisms would it take to completely fill the larger prism? Explain how you found your answer.

3. Explain how the number of the small prisms needed to fill the larger prism is related to the volume of the large prism.