

# Exploring the Volume of Boxes

**Family Note**

To explore the concept of volume, our class built open boxes out of patterns like the ones in this Home Link and then filled the boxes with centimeter cubes. Your child should try to calculate the volume of the boxes he or she builds on this Home Link by imagining that it is filled with cubes. Then have your child check the results by pouring a substance from one box to the other, as described below.

*Please return this Home Link to school tomorrow.*



1. Cut out the patterns. Tape or glue each pattern to make an open box. Find boxes that have the same volume.
2. How did you figure out your answer?

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3. Check your answer by pouring rice, dried beans, or sand into one of the boxes. Fill the box to the top and level it off with a straightedge like an index card or a ruler. Then pour it into another box. Explain how you know when the boxes have the same volume.

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# Exploring the Volume of Boxes *cont.*

