

Boxes, Boxes, Boxes

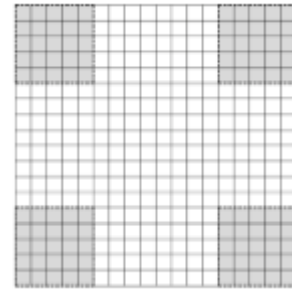


Source: Howard County

Boxes, Boxes, Boxes

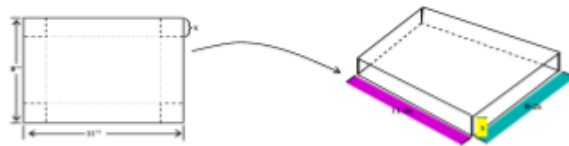
Materials:

- Centimeter cubes
- Centimeter grid paper
- Scissors
- Tape
- Rulers
- Recording sheet or math journal



Directions:

- 1) You will need to cut out three 18x18 cm squares.
- 2) Now you will cut parts of each square
 - Square 1: Cut out a 2 x2 cm square from each corner.
 - Square 2: Cut out a 5x5 cm square from each corner.
 - Square 3: Cut out a 3x5 cm rectangle from each corner.
- 3) Fold the sides of each square to make an open box and tape the corners together.
- 4) What do you estimate the volume of each box to be? Write down your estimates.
- 5) Think about which box will have the greatest volume and which will have the least. Why do you think that?
- 6) Find the volume of each box using the cm cubes.
- 7) Compare your estimates to your actual results. Record your results and analysis.



Name _____ Date _____

Boxes, Boxes, Boxes - Recording Sheet

What do you estimate the volume of each box to be? Record your estimates in the chart.

Box 1 Estimate	Box 2 Estimate	Box 3 Estimate

Think about which box will have the greatest volume and which will have the least. Why do you think that?

Find the volume of each box using the cm cubes. Record the volume of each box in the chart.

Box 1 Volume	Box 2 Volume	Box 3 Volume

Compare your estimates to your actual results. Record your results and analysis.

Graphics and Fonts

