

# Cereal Box Search

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You will need: paper (cm grid/inch grid or plain), ruler, pencil

1. A manufacturer is looking for three new cereal box designs for one of its breakfast cereals. Here are the requirements:

Box 1: Standard cereal box

Box 2: Mini cereal box that is  $\frac{1}{4}$  the size (length, width, depth) of the standard box

Box 3: Extra large box that is two times the size (length, width, depth) of the standard box

2. Design boxes that meet the requirements above.
3. Label each box and its dimensions. Determine the volume for each box. Record how you found the volume of each one.
4. Reflect on these questions:

Which box size would you purchase? Why?

Which box size will be hard to keep in stock? Why?

