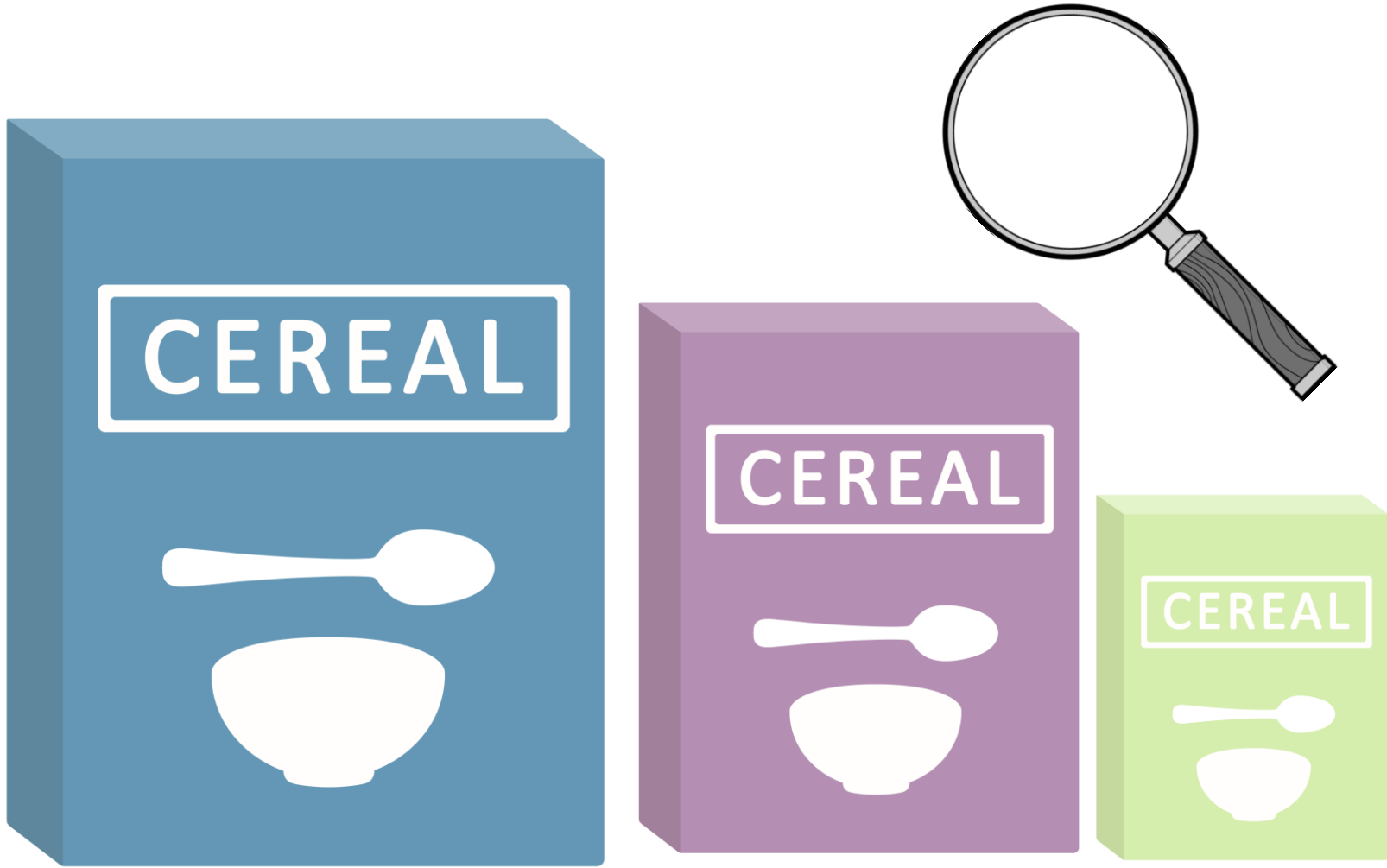


# Cereal Box Search



Source: Howard County

# Cereal Box Search

## Materials:

- Paper (cm grid/inch grid or plain)
- Ruler

## Directions:

- 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?

# Graphics and Fonts

