Description of Investigation and Student Report

Be an Investigator

A cereal manufacturer needs your help designing two cereal boxes. Use the information about each cereal box and then tell what the dimensions of each cereal box should be. The manufacturer would also like you to name each cereal.

Information

**Cereal Box A**

- Box must be 8 inches wide and no deeper than 3 inches.
- Box must not be higher than 12 inches.
- Box must have a volume of 288 cubic inches.
- All measurements must be a whole number of inches.

**Cereal Box B**

- Box must be 7 inches wide and no deeper than 3 inches.
- Box must not be higher than 12 inches.
- Box must have a volume of 210 cubic inches.
- All measurements must be a whole number of inches.
Be an Investigator
Student Report

Cereal Box A

Name of cereal: ________________________________________________

Width: 8 inches

Depth: ________________________________________________________

Height: _______________________________________________________

Volume: 288 cubic inches

Cereal Box B

Name of cereal: ________________________________________________

Width: 7 inches

Depth: ________________________________________________________

Height: _______________________________________________________

Volume: 210 cubic inches.

This is how I solved each problem: