

Same Volume, Different Dimensions

You will need: a partner, centimeter cubes

1. Pick one of following numbers: 15, 20, 24, 30
2. Build a rectangular prism that has a volume of the chosen number.
3. In your math journal record the length, width, and height of the rectangular prism.
4. Build as how many different rectangular prisms that have the same volume but different dimensions as possible.
5. Record the dimensions for all of the possibilities that you come up with.

