

Volume

Volume means *how much space* something takes.

A sandcastle takes a certain amount of space. A bottle of water takes space. A book takes space. But how much?

In this lesson you will learn how we measure the volume of water (or other liquids).

You will need

- water in a bucket or other big container
- a few food containers
- a coffee cup
- a drinking glass



- a quart jar
- a pint jar



- a 1-cup measuring cup



1. Fill the pint jar with water. Pour it all into the quart jar. Then fill the pint jar again and pour it into the quart jar. Is it now full (or close to full)?

It should be. It takes ___ pints of water to fill 1 quart jar.

2. Pour out water from your full quart jar back into the pint jar until the pint jar is full.

Is your quart jar now half full? (It should be.)

How much water is left in the quart jar? _____ pint.

3. Find out how many times you need to fill the 1-cup measuring cup with water and pour it into the pint jar until the pint jar is full. ___ times.

1 pint is ___ cups.

4. Find out how many times you need to fill the 1-cup measuring cup with water and pour it into the quart jar until the quart jar is full. ___ times.

1 quart is ___ cups.

5. Find out if your coffee cup measures MORE or LESS than the 1-cup measuring cup - or exactly 1 cup. Do the same with the drinking glass.

6. You need three different empty food containers. Find out how many cups of water you can fit into them. Write an 'X' in the "*and a little more*" column if you cannot fit another 1-cup of water into your container, but you could fit a little more.