

Puzzle of the Week

Water Cups – 2

You have two unmarked water cups. One holds 9 ounces and the other 15 ounces. You also have a large supply of water. You can use these two cups to create amounts other than 9 ounces and 15 ounces. For example, create 6 ounces in the larger cup by filling the 15-ounce cup and then pouring 9 of its ounces into the smaller cup.

THE CHALLENGE: Find all the amounts that you can create using these two cups.



9 Ounce



15 Ounce

EXPLORATION: Investigate other pairs of water cups that involve two numbers with a common divisor greater than 1. What patterns do you notice?