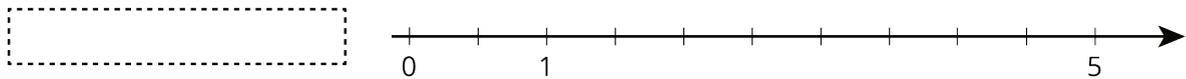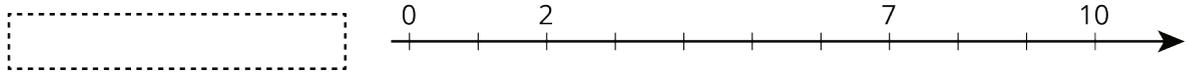# Unit 2 Lesson 1: One of These Things Is Not Like the Others

1 Remembering Double Number Lines (Warm up)

Student Task Statement

1. Complete the double number line diagram with the missing numbers.

2. What could each of the number lines represent? Invent a situation and label the diagram.

3. Make sure your labels include appropriate units of measure.

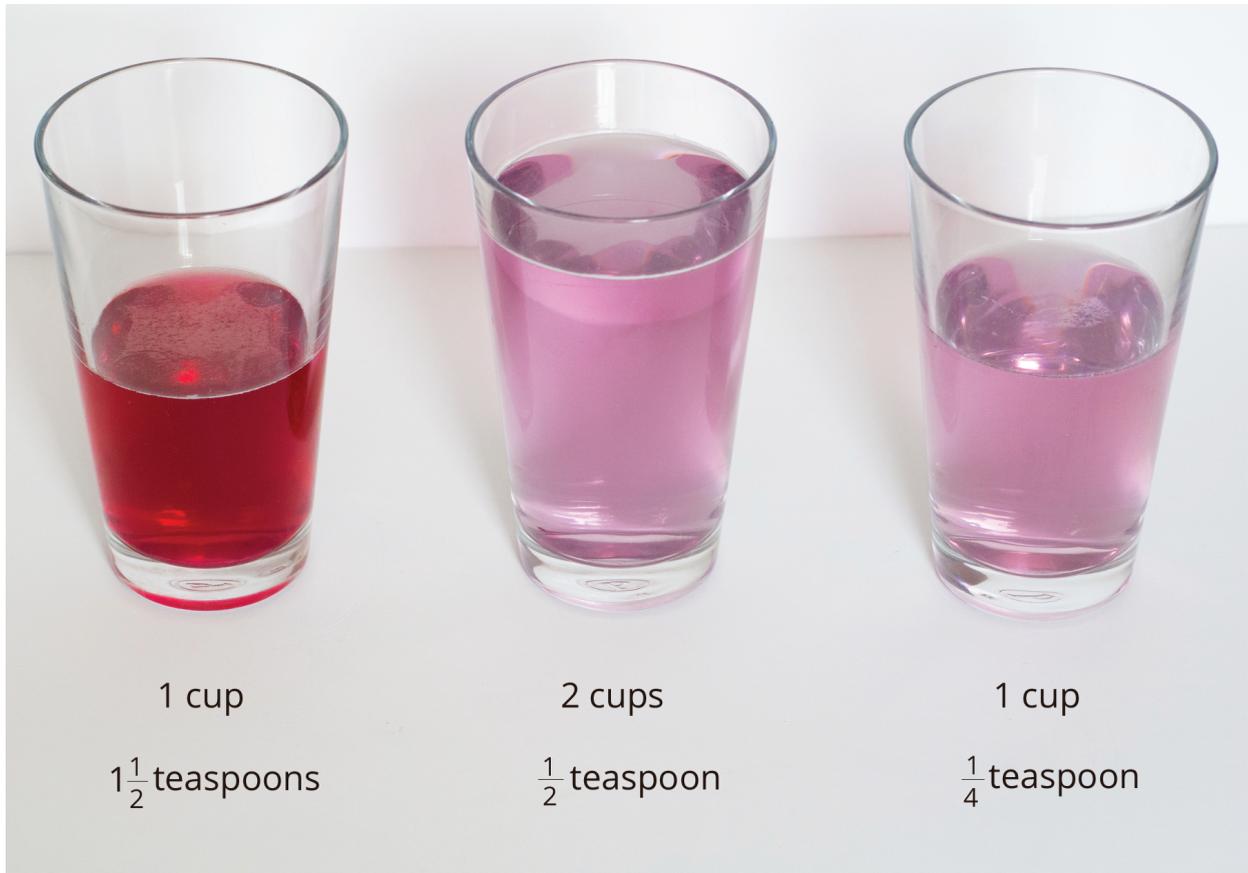## 2 Mystery Mixtures

Images for Launch

$1\frac{1}{2}$ teaspoons

1 cup

$\frac{1}{2}$ teaspoon

2 cups

$\frac{1}{4}$ teaspoon   1 cup

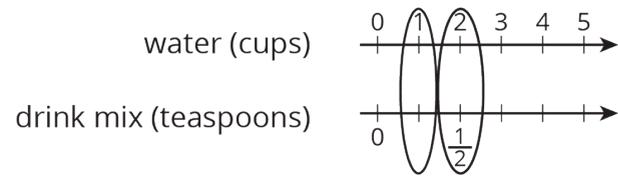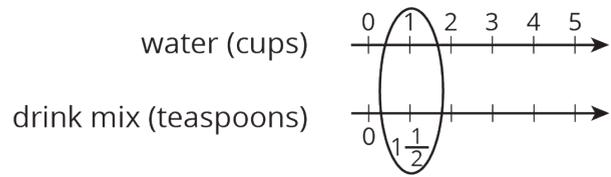| 1 cup	2 cups	1 cup
$1\frac{1}{2}$ teaspoons	$\frac{1}{2}$ teaspoon	$\frac{1}{4}$ teaspoon

Student Task Statement

Your teacher will show you three mixtures. Two taste the same, and one is different.

1. Which mixture tastes different? Describe how it is different.

2. Here are the recipes that were used to make the three mixtures:

   ○ 1 cup of water with $1\frac{1}{2}$ teaspoons of powdered drink mix

   ○ 2 cups of water with $\frac{1}{2}$ teaspoon of powdered drink mix

   ○ 1 cup of water with $\frac{1}{4}$ teaspoon of powdered drink mix

   Which of these recipes is for the stronger tasting mixture? Explain how you know.
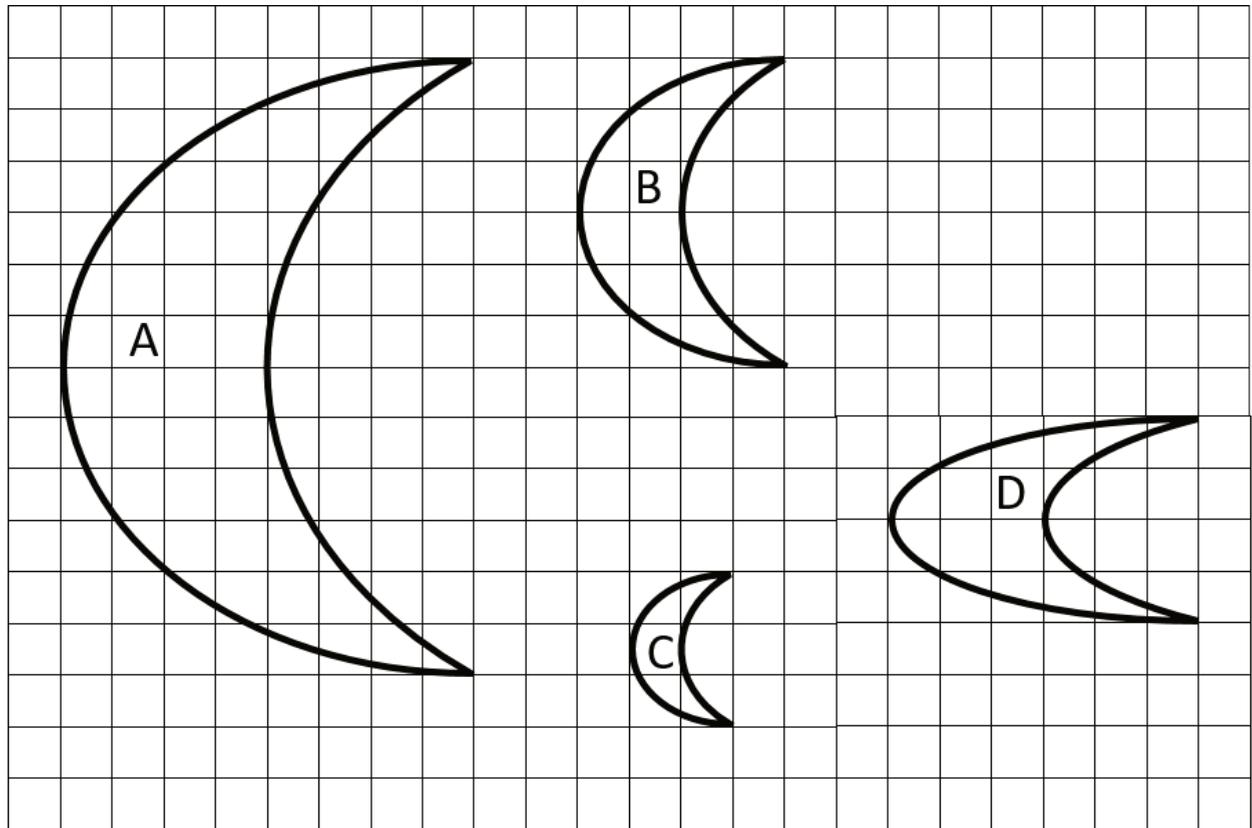
Activity Synthesis

water (cups)   ■   water (cups)   ■ ■

drink mix (teaspoons)   ▢ ▢   drink mix (teaspoons)   ▢

water (cups) 0 1 2 3 4 5

drink mix (teaspoons) 0 $1\frac{1}{2}$

water (cups) 0 1 2 3 4 5

drink mix (teaspoons) 0 $\frac{1}{2}$

3 Crescent Moons

Student Task Statement

Here are four different crescent moon shapes.

1. What do Moons A, B, and C all have in common that Moon D doesn't?

2. Use numbers to describe how Moons A, B, and C are different from Moon D.

3. Use a table or a double number line to show how Moons A, B, and C are different from Moon D.