

Lesson 2: Introducing Proportional Relationships with Tables

Cool Down: Green Paint

When you mix two colors of paint in equivalent ratios, the resulting color is always the same. Complete the table as you answer the questions.

- How many cups of yellow paint should you mix with 1 cup of blue paint to make the same shade of green? Explain or show your reasoning.

cups of blue paint	cups of yellow paint
2	10
1	

- Make up a new pair of numbers that would make the same shade of green. Explain how you know they would make the same shade of green.

- What is the proportional relationship represented by this table?

- What is the *constant of proportionality*? What does it represent?