Green Paint
Task

Green Paint

To make green paint, students mixed yellow paint with blue paint. The table below shows how many yellow and blue drops from a dropper several students used to make the same shade of green paint.

a. Complete the table.

Yellow (Y) (ml)	Blue (B) (ml)	Total
$3\frac{1}{2}$	$5\frac{1}{4}$	
		5
	$6\frac{3}{4}$	
$6\frac{1}{2}$		

b. If a value is missing from the first or second column, how can you calculate the value?

c. What must be known in order to find the missing value(s) of a quantity regardless of what method is used?

d. Write an equation to represent the relationship between the amount of yellow paint and blue paint.

e. When writing equations to find the missing value(s) of a quantity, are we restricted to using the variables x and y? Explain.

COMMON CORE

Lesson 13:
Date:

Finding Equivalent Ratios Given the Total Quantity
5/20/14

engage^ny