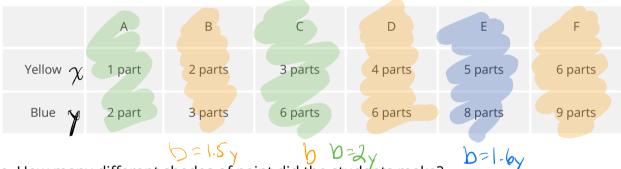# 7.RP Art Class, Variation 2

Task

The students in Ms. Baca's art class were mixing yellow and blue paint. She told them that two mixtures will be the same shade of green if the blue and yellow paint are in the same ratio.

The table below shows the different mixtures of paint that the students made.

	A	B	C	D	E	F
Yellow x	1 part	2 parts	3 parts	4 parts	5 parts	6 parts
Blue y	2 part	3 parts	6 parts	6 parts	8 parts	9 parts

$b = 1.5y$ b $b = 2y$ $b = 1.6y$

a. How many different shades of paint did the students make?

b. Write an equation that relates y, the number of parts of yellow paint, and b, the number of parts of blue paint for each of the different shades of paint the students made.

$y = kx$

$blue = yellow \cdot "k"$