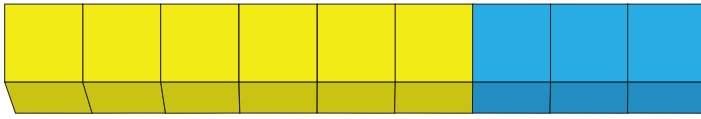


Mixing paint and other problems: 3

Look at this ratio for making green paint.



The total number of parts equals nine.

The fraction of yellow parts equals $\frac{6}{9}$ or $\frac{2}{3}$.

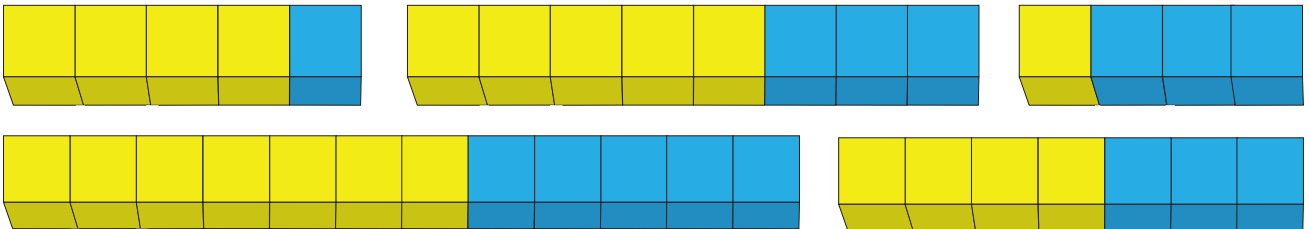
The fraction of blue parts equals $\frac{3}{9}$ or $\frac{1}{3}$.

The ratio of yellow parts to blue parts is 6:3 or 2:1.

You could record that information in a table, like this:

Number of parts	Fraction of yellow parts	Fraction of blue parts	Number of yellow parts	Number of blue parts	Ratio of yellow to blue
9	$\frac{6}{9} = \frac{2}{3}$	$\frac{3}{9} = \frac{1}{3}$	6	3	6:3 or 2:1

Here are different ratios for making green paint. Match the diagrams to the ratios and complete the table.



Number of parts	Fraction of yellow parts	Fraction of blue parts	Number of yellow parts	Number of blue parts	Ratio of yellow to blue
4					
7					
5					
8					
12					