

Name: _____

B: _____

Date: _____

Lego Ratios

Directions: You will use the Legos you are given in your table baggie to create ratios based on Lego colors. You will write the ratios in the tables provided. You will fill in the boxes at the end of each section.

Section 1: You will create Part : Whole ratios based on the colors of the Lego bricks you have using the tables below using the colon language for the ratio.

Total of all bricks	
Total Red	
Total Blue	
Total Yellow	
Total Orange	
Total Green	
Total White	
Total Brown	
Total Black	

Red to Whole	
Blue to Whole	
Yellow to Whole	
Orange to Whole	
Green to Whole	
White to Whole	
Brown to Whole	
Black to Whole	

Choose 3 ratios from the tables above to write as fractions and 3 ratios to write using the word to language for the ratio.

Ratio Description (color and whole) and Ratio	Fraction	Ratio Description (color and whole) and Ratio	To ratio language

In this box, write any observations you made or relationships you may have noticed comparing the Legos with a Part to Whole ratio by color.

Section 2: You will create Part to Part ratios based on the colors of the Lego bricks you have using the tables below. You will choose the two colors to compare and create the ratios using the word to language for the ratio.

Color 1	Color 2	Ratio

Color 1	Color 2	Ratio

Choose 3 ratios from the tables above to write as fractions and 3 ratios to write using the colon : language for the ratio.

Ratio Description (colors)	Fraction	Ratio Description (colors)	Colon : ratio language

In this box, write any observations you made or relationships you may have noticed comparing the Legos with a Part to Part ratio by color.

In this box, write how you think this would be useful in the real world. You can include the Legos or it can be determining ratios of anything.