

Ratios & Proportions

DIRECTIONS: Choose activities from the board below that equal 10 points or more.

1 Point Projects	5 Point Projects	3 Point Projects
<p align="center">Spinning Ratio</p> <p>Create a six section spinner with a different fraction in each section. Spin the spinner using a paperclip and pencil twice. Write a real-world unit rate word problem based on the numbers you spun. Then solve the word problem using a proportion. Do this three times.</p>	<p align="center">Dominoes</p> <p>Create your own 18 piece domino game where you match a unit rate word problem with the proportion used to solve it. Play the game and put the dominoes in order.</p>	<p align="center">Coloring Page</p> <p>Create your own "Paint by Numbers" coloring page based on finding the unit rate using ratios of fractions. You must include a minimum of 10 word problems that are solved using proportions. Don't forget to include a key.</p>
<p align="center">Exit Slip</p> <p>Create a five problem exit slip where students have to show that they are able to write an equation to represent a proportional relationship. Don't forget to make a key which includes all the work necessary to solve each problem.</p>	<p align="center">Retail or Not</p> <p>You love getting the best deal possible. Look up the prices of 15 food items from a retail store (Kroger, Meijer, Costco, ect). Calculate the unit rate price using a proportion in order to determine where you should shop for each item. Create a visual to showcase your findings.</p>	<p align="center">Table</p> <p>You have decided to join a gym. Research the initial start up price and monthly rate of three gyms in your area. Then create a table where you calculate the total cost for each month for a year. Determine if a proportional relationship is present for any of the gyms. If so, describe the proportional relationship by writing an equation.</p>
<p align="center">Foldable</p> <p>Create a foldable that teaches others the steps to solving multistep ratio and percent problems using proportions. Your foldable should include three of the following types of problems: simple interest, tax, markups and markdowns, tips and commissions, fees, percent increase and decrease, percent error.</p>	<p align="center">Collage</p> <p>It is your birthday next week and you want to create a gift collage. Look online for the price of 15 items you want most. Amazingly, each item is on sale for 20% off! Create a collage that includes a picture, original price, and sales price (don't worry about tax) for each item on your wish list.</p>	<p align="center">Wheel of Fortune</p> <p>Create your own Ratio and Percent Wheel of Fortune game. To do this, write and solve ten multistep word problems using proportions. You will also need to create a 15 section game wheel that includes the ten problems and 5 prizes.</p>