

Math Choice Board

Name: _____

Choose at least 4 activities from the choice board below to complete. Shade in each box to show which activities you completed. Store all completed activities in a folder. Activities are due upon return to school.

	Standards			
Ratios & Proportions	Understand ratio concepts and use ratio reasoning to solve problems.	Spinning Ratios Create a spinner that is divided into six different colored sections. Spin the spinner using a paperclip and pencil twenty times and record the results. Write ten different ratios using the data you compiled.	Restaurant Recipes You just purchased a restaurant and want to use your granny's old recipes. Find five different recipes that you love and scale up each recipe by nine to feed your hungry customers. Use a table to record your conversions and show that your ratios are equivalent for each ingredient.	Gas Mileage Chart You are buying a car and want to get the best gas mileage possible. Find ten cars that you would like to purchase and record the gas mileage for city and highway miles for each. Which car has the best city gas mileage and which car has the best highway gas mileage? Which car overall should you purchase?
Statistics & Probability	<ul style="list-style-type: none"> Develop understanding of statistical variability. Summarize and describe distributions. 	Foldable Create a foldable teaching others about dot plots, histograms, and box plots. Include a model, step-by-step instructions, and in what situations you would use each one.	Football Statistics You are basing your decision on which football team to support this year on each team's performance from last season. After choosing ten teams, go online to find the scores from each of their games last season. Next, calculate each team's mean, median, mode, and range of scores. Finally, use this information to decide which team to support.	Cooking Number Lines Look through a cookbook (or online) and write down the amount of flour, sugar, and salt needed in 20 different recipes. Create either a line plot, histogram, or box plot for each ingredient.
Geometry	Solve real-world and mathematical problems involving area, surface area, and volume.	Match Books Create seven match books where you define and draw a model of the following vocabulary words: x-axis, y-axis, coordinate plane, point, origin, and coordinate point.	Fed-Ex Boxes You have just been hired by FedEx to design 10 new boxes. Each of the boxes must use least than 300 cubic inches of cardboard (surface area). Draw each box and label the dimensions and the surface area.	Skyscraper Model Create a 3D skyscraper by stacking rectangular prisms made from graph paper. Calculate the volume of each prism to help you find the total volume of the skyscraper.

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Choose at least 3 activities from the choice board below to complete. Shade in each box to show which activities you completed. Store all completed activities in a folder. Activities are due upon return to school.

	Standards			
Number System	<ul style="list-style-type: none">Apply and extend previous understandings of multiplication and division to divide fractions by fractions.Multiply and divide multi-digit numbers and find common factors and multiples.Apply and extend previous understandings of numbers to the system of rational numbers.	Amusement Park Your family is going to an amusement park for vacation. On a coordinate plane that includes all four quadrants, map five different attractions or rides you would like to see. Don't forget to include a key!	Store Order Forms You are now in charge of your school store and need to purchase enough items to sell for the next two weeks. Go online and find a retailer that sells all of the items you need (15 products). Create an order form that shows the quantity ordered, item name, price per unit, and total cost for each item. Then calculate the total cost of your order.	Temperature Table Create a table to show the all-time high and low temperatures in both Celsius and Fahrenheit of 15 cities in the United States. Next, calculate the range and identify which city has the smallest and largest temperature difference.
Expressions & Equations	<ul style="list-style-type: none">Apply and extend previous understandings of arithmetic to algebraic expressions.Reason about and solve one-variable equations.	Exit Ticket Create an exit ticket with three questions that would show you if students understand how to write and evaluate exponents. Don't forget to include an answer key!	Calendar Create a calendar where students evaluate expressions in which letters stand for numbers. For each day, write an expression in one color and interpret the expression in another color. For example, you can write five more than x in blue and $x+5$ in red.	Personal Ads Pretend you are a variable and are searching for your soulmate (the number that represents you). Write 10 personal ads where you describe the number of your dreams. For example, I am looking for a number that when multiplied by 10 equals 80. Don't forget to include an answer key.