

Family Math Activity Menu

Activity Number	Activity Name	Activity Description
#1	Gas Tank	Have your child multiply to figure how much money it will cost to fill up your gas tank. Tell them about how many gallons you plan to get and how much money it costs per gallon. While you pump the gas, they can sit in the car and figure it out. They need to multiply the number of gallons by the cost per gallon.
#2	Survey the Family	At a family event, have your child survey each family member on a certain topic (example: favorite color, favorite food, favorite sport), then have them make a bar graph to represent the data they collected. Make sure you label the x-axis and y-axis appropriately for the graph. Make sure your graph has a title.
#3	Grocery List	Create a grocery-shopping list with your child. Find the item prices in grocery ads. Then ask your child to estimate the total amount of money needed to buy all of the stuff on the shopping list. They can round the cost of the items to the nearest dollar, then add to find the total.
#4	How much is the bill?	At a restaurant, before the bill comes, have your child add up the prices of what everyone got off the menu and see how close they are to the actual price.
#5	Leave the tip	At a restaurant, when the bill comes, have your child calculate the tip you would like to leave for the bill. Tell your child what percent tip you would like to leave (example: 15%). They need to multiply the total cost of the bill by 15%, which you would need to use 0.15 (example $\$50 \times .15 = \7.50).
#6	New Carpet for your bedroom	You are going put new carpet in your bedroom. To do this you must find the AREA of your bedroom floor. Have your child find the AREA of their bedroom. Have them measure the length and width of their room in feet or inches. Then find the area. How much square feet or square inches of carpet is need to cover your room? Area = Length x Width
#7	Space in your room	Find the VOLUME of your bedroom. Measure the length, width, and height in inches. Calculate the volume using the formula Volume = length x width x height.
#8	Math with technology	Create a Google Slide Presentation or Powerpoint Presentation on 3 math topics we have learned about this year. Do at least one

		slide per topic. Include definitions, examples, and pictures on your slides.
#9	Discount on your favorite item	Find three items in the in newspaper or online that you would like to buy. You get to use three coupons that are worth 10% off, 25% off, and 50% off. Decide which coupon you will use for each item you want and determine what the total cost of the three items will be using the coupons.
#10	Jenga	Sign out the Jenga game from your teacher. Take home for a weekend and play. You must know the math fact on each piece to use it. Take a picture of it and send it on class dojo or email to your teacher.
#11	Compass Learning	Complete 5 Math Compass Learning Lessons at home.
#12	How old are you?	Figure out how many days, hours, minutes, and seconds it has been since you were born.
#13	Shapes in your house	Look around your house and find examples of perpendicular lines, parallel lines, a right angle, an acute angle, an obtuse angle, a straight angle, a trapezoid, a rectangle, a square, triangle, hexagon, octagon, heptagon, and any other geometric shapes. Draw, write an explanation, or take a picture and put them on a piece of paper or poster board and label each.
#14	Math Game	Create a game that would help kids practice their multiplication facts, division facts, or practice knowing their fraction, decimal, percents, or basic conversions. Please write down detailed directions for this game and give to your teacher. Provide any pieces, game boards, cards, ect...needed to play it.
#15	Shopping Spree Scrapbook	You have been given \$100,000 to spend online. You can only purchase 12 items and you must come within \$10,000 of spending the entire amount. Create a scrapbook with your items by printing or drawing pictures with their price. In your scrapbook also round the price to the nearest one cent (tenths) and to the nearest whole dollar.
#16	Blueprints	Draw blueprints of your house on graph paper or normal paper. Find the area of each room in your house and label them on the blueprints. Find the total area of your house.
#17	Legos	Using exactly 100 legos, build five different containers with different volume capacities. Use a type of cubic unit measurement to determine their volume. If you don't have enough legos to complete this project for a full display of all five containers, take a digital picture and glue photos of your five Lego containers to a paper displaying their volume, or draw a picture of the lego volume designs.

#18	Tic-Tac-Toe Math games	Ask your teacher for a copy of a tic-tac-toe game for one of the following topics: Squaring numbers, Prime Numbers, Positive and Negative Numbers. Play the game at least 3 nights this week for at least 20 minutes. Write a paragraph explaining how to play, strategies you used, and if you would recommend this game to another classmate for learning about this topic.
#19	Online Math Games	Search for a new online math game that you have never played before. Play the game for 30 minutes. Write down the website for your teacher and include 3 reasons why you think it is a good website. Also include why you think other classmates would like to play it.
#20	Square Roots	Watch a video online to learn about square roots. Ask your teacher for the Square Roots Dice Game. Play the game at least 3 times throughout the week. Write down at least 5 examples of square roots with the answers.
#21	UNO MATH	Sign out an UNO card game from your teacher. Directions will be included. Play this game at least 3 nights this week for at least 20 minutes each. Write a paragraph explaining how to play, strategies you used, and if you would recommend this game to another classmate learning their multiplication facts.
#22	Clock work	<p>Make 6 clock faces. Divide a face into halves, thirds, fourths, sixths, tenths, and twelfths.</p> <p>Tell how many minutes there are in $\frac{1}{2}$ hour, $\frac{1}{3}$ hour, $\frac{1}{4}$ hour, $\frac{1}{6}$ hour, $\frac{1}{10}$ hour, and $\frac{1}{12}$ hour.</p> <p>Then write each part of the hour as a decimal and percent.</p>
#23	Design a brochure	Design a brochure that reviews what a student needs to know about determining equivalent forms of fractions, decimals and percents. Include some practice problems and answer guide.
#24	24	Sign out the game "24" from your teacher. Play the game with someone in your family at least 3 nights this week. Write a paragraph explaining how to play, strategies you used, and if you would recommend this game to another classmate learning their multiplication facts.
#25	RECIPE	Find a recipe or use a family recipe. Write down the original recipe. Instead of making the original recipe, either cut the recipe in half or double the recipe. Write out the work you did to figure out the new recipe and then write out the new recipe that you have created. Make this recipe with someone in your family!