**Family Math Activity Menu**

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| **Activity Number** | **Activity Name** | | **Activity Description** | |
| **The following activities support: Operations and Algebraic Thinking, Numbers and Operations** | | | | |
| **1** | **Gas Tank Fill Up** | | 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, or use repeated addition. | |
| **2** | **Grocery Get Down** | | 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, and then add to find the total. | |
| **3** | **It Cost What!?** | | 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. | |
| **4** | **Tips are Appreciated** | | 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 x .15 = $7.50). | |
| **5** | **Tech Savvy** | | 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. | |
| **6** | **Everybody Loves a Good Discount** | | 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. | |
| **7** | **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. | |
| **8** | **They Call Me, “Milton Bradley”** | | Create a game that would help kids practice their multiplication facts, division facts, or practice knowing their fractions, and decimals (place value and operations). Please write down detailed directions for this game and give to your teacher. Provide any pieces, game boards, cards, etc...needed to play it. | |
| **9** | **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. | |
| **10** | **Online Practice** | | Use our enVisions or NWEA Goal Practice websites to practice your skills online. Play for at least 30 minutes. | |
| **11** | **Like Clock Work** | | Make 6 clock faces. Divide a face into halves, thirds, fourths, sixths, tenths, and twelfths. Tell how many minutes there are in 1/2 hour, 1/3 hour, ¼ hour, 1/6 hour, 1/10 hour, and 1/12 hour. Then write each part of the hour as a decimal in standard, expanded, and word form. | |
| **12** | **24** | | Sign out the game “24” from your teacher. Play the game with someone in your family at least 3 nights this week. Use a Find 3 Ways Sheet to explain your thinking. | |
| **The following activities support: Geometry, Measurement and Data** | | | | |
| **Activity Number** | **Activity Name** | | **Activity Description** | |
| **1** | **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. | |
| **2** | **Interior Design** | | 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 | |
| **3** | **So Much Room for Activities!** | | 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. | |
| **4** | **Wait, How Old am I?!** | | Figure out how many days, hours, minutes, and seconds it has been since you were born.  Challenge: Now figure this out for as many family members or friends as you can! | |
| **5** | **Shapes in My World** | | 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. | |
| **6** | **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. | |
| **7** | **Lego Master** | | 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. | |
| **8** | **Family 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! If it’s delicious, bring in leftovers for your favorite teacher ☺ | |
| **9** | **Online Practice** | | Use our enVisions or NWEA Goal Practice websites to practice your skills online. Play for at least 30 minutes.  <http://eagles5th6th.weebly.com/nwea-goals2.html> | |
| **10** | **Computer Coding** | | Practice recognizing patterns and engineering principles through computer science. Go to the Hour of Code website: <https://code.org/learn> | |
| **Basic Fact Fluency Practice** | | | | |
| Flashcards | | Timed Tests | | Refer to Math Fluency Websites |