FUN MATH ACTIVITIES TO DO AT HOME

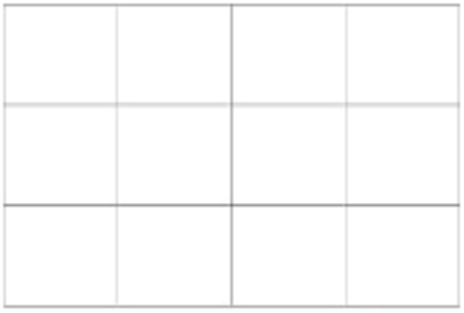
MEMORY MATCH

Materials:

- Paper
- Pencils/pens/markers

Directions:

Cut each sheet of paper into equal sized rectangles (as in the sample below).
Cut out the rectangles to form cards.



Depending on the age of your child, you might consider having your child:

- Match digits, number words and representations (1, one, o; 2, two, oo; 3, three, ooo; etc.).
- Match fractions and representations

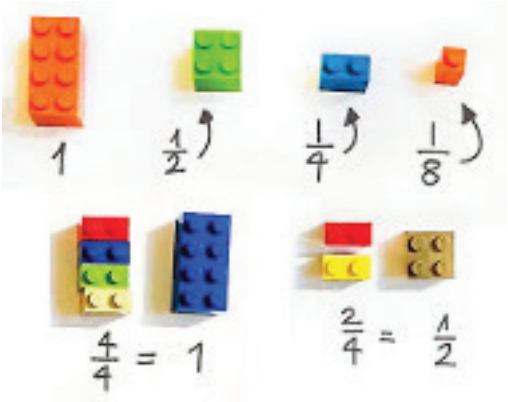
- Match decimals and percents (.1, 10%; .25, 25%, etc.)
- Match fractions and decimals (1/2, .5; ¼, .25, etc.)
- Match shapes

- Once you make the pairs of cards turn them all face down on the floor. Take turns flipping two cards and trying to find the matches! Each time a player finds a matching pair, he/she puts that pair of cards in a pile next to him/her. Whoever ends up with the most matching pairs wins.

LEGO FRACTIONS

Materials:

- Legos of different sizes



Directions:

- Decide which size Lego you would like to use as one whole (I recommend the brick with 8 studs). Use the smaller bricks to create fractions of one piece. Ex: the brick with 4 studs would be ½.
- Use the bricks to show which fractions are equivalent (shown in image)
- Use the bricks to practice fraction addition or subtraction

FORM NUMBERS

Directions:

Practice forming numbers! You can do this with a variety of materials, not just pencils and paper! Try forming letters with the following materials:

- Yarn
- Cooked spaghetti
- Play dough
- Dried beans on a baking sheet

PRACTICE WITH MONEY

Materials:

- Coins and bills (real or play money)

Directions:

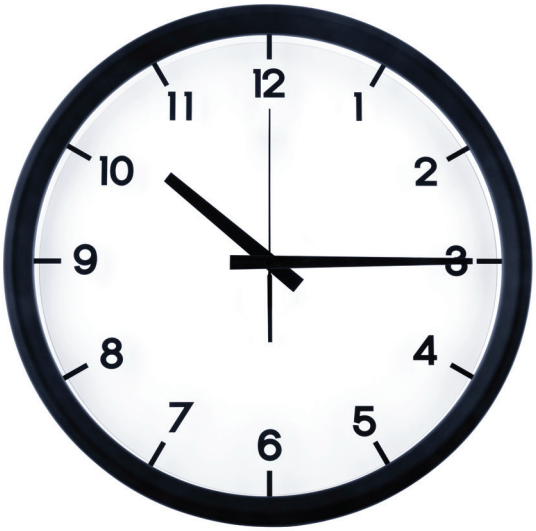
Depending on the age of your child, you can:

- Ask them to separate like coins in the same pile.
- Ask them to make different amounts of money.
  Example: Show me 75 cents, show me 28 cents, show me $1.23, etc.
- Make up problems involving paying with exact change or receiving money back. Ex: I want to buy a loaf of bread for $1.85, what coins can I use? I paid for a pack of gum that costs $.80 and paid with a dollar, what change will I receive?
- Create a riddle.
  Example: I use 4 coins to make $.80, which coins did I use? How many ways can I make $.30?
- For more advanced students, include some addition of items.
  Example: I buy a hot dog for $1.25, chips for $.90, and a lemonade for $1.00. What is my total?
  Extension: I paid with a $5 bill, what will my change be?
- Give children a sale ad from your mail and tell them to go on a shopping spree and to give you the total amount they need for their purchases.

CLOCK MATH

Materials:

- Analog clock or a paper plate with clock numbers written on it and construction paper cut into minute and hour hands.



Directions:

- Give your child a time to show on the clock and have them move the minute and hour hands to show you.
- You move the hands around and ask your child to tell you what time it is.
- Ask your child questions and have him or her show you on the clock.
  What time will it be in 10 minutes?
  What time will it be in 1 hour
  What time was it 20 minutes ago?
- Practice using time works like quarter past, half past, and quarter till.
- Practice skip counting, work on counting by fives to help with minutes.

PRACTICE WITH COUNTERS

Materials:

- Any household item you have a lot of! Beans, beads, buttons, coins, cereal. Get creative!

Directions:

- Ask your child to show you any number of objects. “Show me 27”, “Count to 100 using beads”, etc.
- Use counters to model addition, subtraction, multiplication, or division

CHALK NUMBER LINE

Materials:

- Sidewalk chalk and your driveway or sidewalk

Directions:

Draw a number line outside using chalk. For younger children use numbers 0-20, for older children you can go higher, write only even numbers, include negative numbers, etc.

Depending on their age you can:

- Race to see who gets to 20 (or higher) first, practicing addition. Have students start at zero.