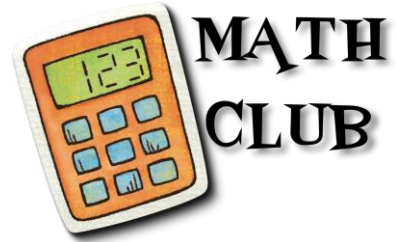




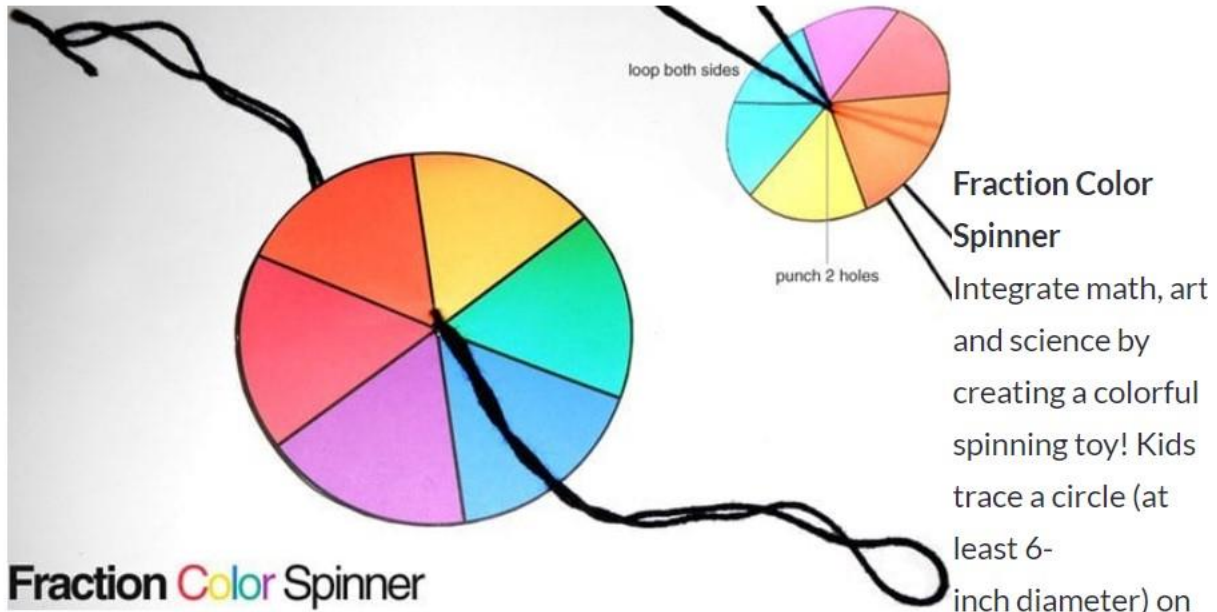
# Math is Popping LP:

## Math Origami

Dates 10/21<sup>st</sup>



### I. K-2<sup>nd</sup> Grade: Fraction Color Spinner



Integrate math, art and science by creating a colorful spinning toy! Kids trace a circle (at least 6-inch diameter) on poster board (or cardstock) and divide it into six equal parts. Then, they color it in, using any colors they'd like. Once it's colored, an adult punches two holes in the center of the circle. Kids measure out a 3-foot piece of string or yarn and lace it through their circle. Move the circle towards the center of the yarn (keep the one side of the string in a loop—don't pull the string all the way through). Next, tie a knot on the other side so it has a loop. Then, twist the string up by flipping the circle round and round. Pull the string outward and let it unravel. Watch it spin and the colors mix!

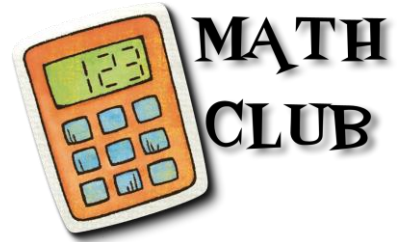
- Materials: Cardstock, Yarn, Art Writing Utensils



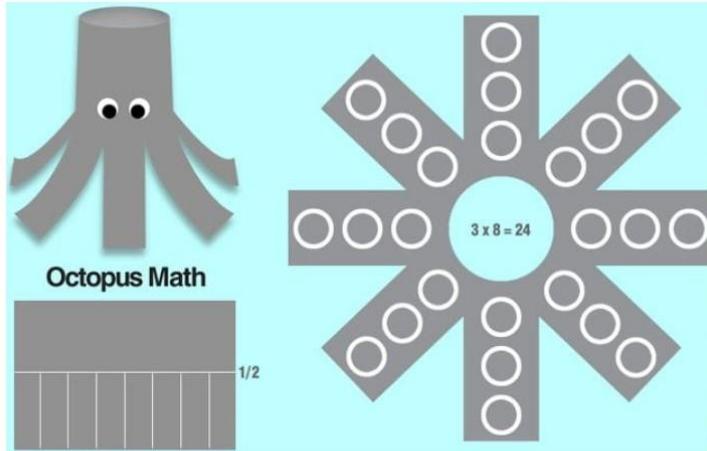
# Math is Popping LP:

## Math Origami

Dates 10/21<sup>st</sup>



## II. 3<sup>rd</sup>-6<sup>th</sup> Grade: Octopus Math



### Octopus Math

Integrate math, art and science all in one craft! Kids create an octopus while exploring division, fractions and multiplication.

First, they divide a piece of

construction paper in half. Next, they use a ruler and draw lines (on half the sheet) to create eight rectangles for the arms (see image). They cut along the lines they drew, stopping at the halfway mark. Then, they curve the paper and staple. Once stapled, they bend the arms, so the octopus can sit up.

After they've created their octopus shape, they flip it over. They stick round reinforcement labels (white circle stickers with a hole in the center) on the back of its arms and create suction cup arrays (see image). Then, they figure out the multiplication equation for their octopus.

**Science:** This craft can be used for an animal adaptation unit. Kids learn that octopi have arms (not legs). The suction cups on their arms help them grasp their prey, move along rocks and taste things! Also, the octopus's stomach is on top of its head! Its mouth is a hard beak (don't let children draw a happy face on their octopus—the beak is underneath!).

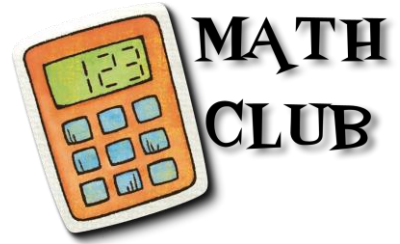
- Materials: Art Writing Utensils, Construction Paper, Scissors



# Math is Popping LP:

## Math Origami

Dates 10/21<sup>st</sup>



### III. 1<sup>st</sup>-6<sup>th</sup> Grade: Shape Maker using Square Paper

[How to Make Pentagon, Decagon, & Star](#)

[How to Make a Hexagon](#)

[How to Make a Octagon](#)

- Materials: Square Paper (10X10) out of card stock, Scissors