

STEAM NIGHT - *Math Activity* Introduction to Multiplication

ACTIVITY OVERVIEW:

Multiplication can sound intimidating for many students. By breaking down the skills into parts that they are familiar with, it makes grasping the concept a little easier.

WHAT DOES THIS ACTIVITY HELP US LEARN?

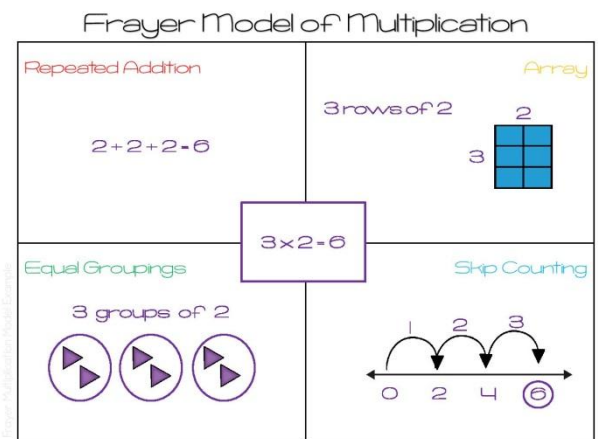
Using skip counting, repeated addition, grouping and an array we can see what multiplication looks like.

Common Core Standard: 3.0 A

Grade Levels: 3rd Grade

MATERIALS (per group):

Blank paper and a variety of counters for grouping (beans, blocks, buttons)

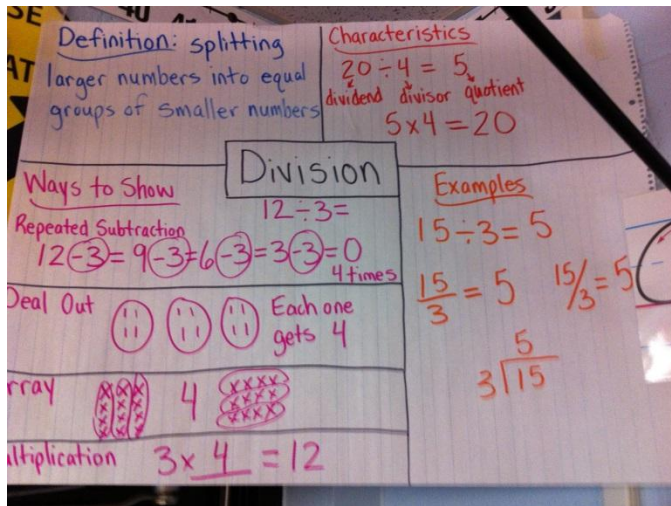
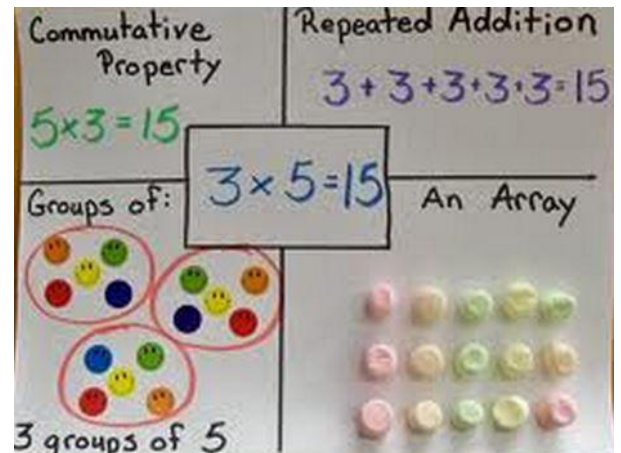


STEP-BY-STEP INSTRUCTIONS:

1. Pick a multiplication problem and write in in the middle of your paper.
2. Use the manipulatives or counters to determine the groupings.
3. You can also use the counters to create your array.
4. On a number-line practice skip counting.
5. Continue to do this with a variety of number sentences.

HOW CAN I DO THIS AT HOME WITH MY CHILD?

This can easily be done using objects around the house. For older children you can do the same concept, but with an algebra spin on it or using division. Give them a number sentence with a variable in it, see if they can use the strategies to figure out the number that belongs in place of the variable.



ADDITIONAL RESOURCES:

<http://www.pbs.org/parents/education/math/>

<http://figurethis.nctm.org/>

<http://cmc-math.org/mathathome-2/hands-on-activities/>

<http://www.cde.ca.gov/be/st/ss/documents/ccsmathstandardaug2013.pdf>

<http://www.pta.org/parentsguides>