## What is the Concrete, Representational, Abstract (CRA) Model in mathematics?

**CRA** is a three-part instructional strategy, with each part building on the previous instruction. CRA promotes student learning and retention and addresses conceptual knowledge.

- 1. **Concrete** Each mathematical concept is modeled with concrete materials. This level is referred to as the "doing" stage because students manipulate the hands-on concrete objects to model the math concept/skill.
- 2. **Representational** The teacher moves from the concrete model into a representational (semi-concrete) level that involves drawing pictures. This level is referred to as the "seeing" stage because students draw pictures that represent the concrete objects previously used to solve a math problem.
- 3. **Abstract** This is the "symbolic" level which only uses numbers, notation, and mathematical symbols to represent the number of circles or groups of circles. The teacher and students use operation symbols to indicate addition, subtraction, multiplication, or division.



To help build your child's math skills, I have included some games below!

## Play Math Jeopardy - Click

here to access math Jeopardy games on a variety of topics. Your child can play independently or against siblings on negative exponents, multiplication and division, and so much more!



Math Games for Kindergarten to 6th grade -<u>Click Here</u>



## Basic Math Card Games-Click Here

If you would like math activities for home, please email me and let me know. I would be happy to offer some ideas and help! For instance, a card game to help your child learn their multiples or become fluent. This weekend you could solve equations based on player or team stats for the Superbowl!



Please reach out to me, if you have any questions! -Kelly Bahre <u>kbahre@canterburypublicschools.org</u>