


Using Household Items to Teach Mathematics

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4/18/13

Introduction

- Give me 5! ☺
- Make a 5



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Household Items

- Page protectors
- Paper Plates
- Paper clips
- Post-its
- Solo Plates
- Coffee Stirrers
- Rubber Bands
- Bingo markers
- Cotton Swabs
- Index cards

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Plastic Solo Plates

- These make a light and cheap white board
- Use for multiple choice or open response

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Time

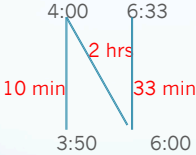
- Two paper plates, marker, large paper clip, small paper clip



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Elapsed Time

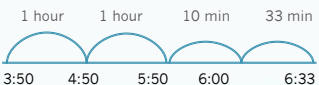
- Elapsed time between 3:50 and 6:33



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Elapsed Time

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Elapsed Time

- Students write the time for a clock face
- Mix, pair, share to find partner
- Determine the elapsed time
- Write on recording page
- Mix again

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Making Re-Usable Cards

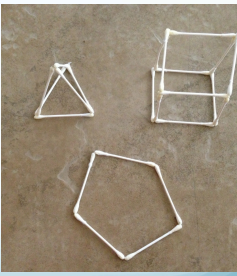
- Laminate index cards
- Wet-Erase for semi-permanent markings
- Dry-Erase for student use
- Different colored cards-many uses!

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Geometry

Cotton swabs, rubber cement

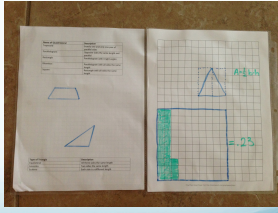
- Shapes
- 3 dimensional shapes



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Geometry, Etc.

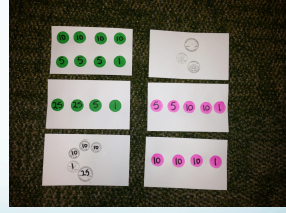
- Use page protector and wiki sticks to make different shapes
- Sort according to attributes
- Learn terms for shapes



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Money

- Cards with circles and money amounts
- Next add coin pictures or coins
- Concentration, bingo, war, etc.



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Fractions

- Use different colored plates for area model of fractions
- Can also be used for:
 - Percentages
 - Time (half past the hour, etc.)
 - Probability: paper clip spin with partner
 - Angles



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Fractions

- Students use a ruler, index card, and wiki sticks to make area models for fractions
- Cards can be matched with fraction names
- Equivalent fractions: students determine if their card can be sectioned into the same fractional amount

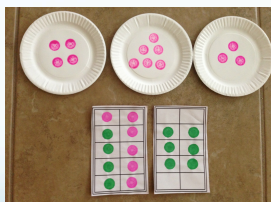
CCSS

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Number Sense

Use small paper plates and bingo markers

- Make numbers and flash



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Number Sense

- Use pipe cleaners, beads, and index cards
- Beads on pipe cleaner, push through index card
- Show numbers, combinations, and patterns



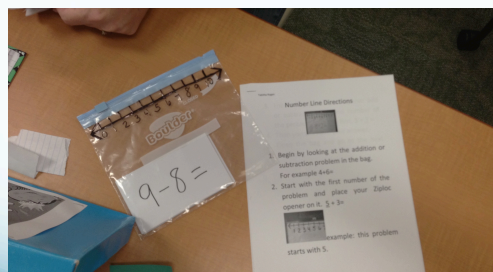
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Base-Ten

- Coffee Stirrers and paper cups or base ten papers (Groupable model)
- Addition
- Subtraction
- Regrouping

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Baggie Math



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Multiplication

- Multiplication name tag for the day
 - Students wear a multiplication fact
 - Address students by their product
- Students given a set number of objects, they use the cards, bags, and small items to solve contextual word problems

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Multiplication

- Page protectors and graph paper
 - Make hundreds by drawing lines
 - Students show arrays
 - Can be used to model double digit multiplication (partial product)
 - Show 15×24

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Division

- Students are given a bag of items
- They use their cards to divide the items equally between different number of cards
- Determine if there is a remainder
- Document which numbers had a remainder

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Graphing

- Post-It notes on categories
- Finding the median

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