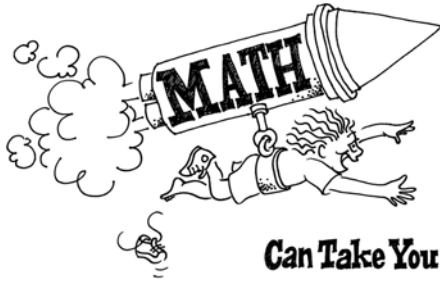


Using Manipulatives

Video Focus Questions

1. As you watch the *Math Can Take You Places*™ Professional Development Series "Using Manipulatives" video, think about the following questions:
 - How does the teacher prepare the students to work with manipulatives?
 - How does the teacher check for the effectiveness of using the manipulatives to teach the concept?
 - What everyday objects can you use as manipulatives to teach mathematics?
2. Discuss how the following tips might affect your classroom practice and students' learning.
 - Students should work in small groups.
 - Be patient. The room may not be quiet.
 - Help students to realize that math is a process.
 - Work from the concrete to give students a working mental picture of concepts.

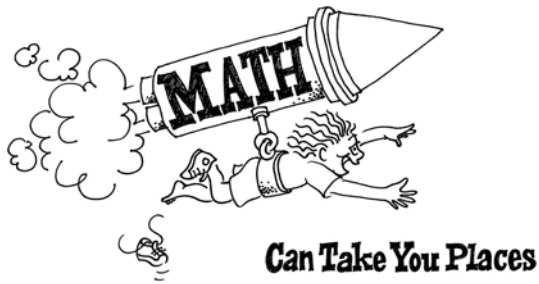


Using Manipulatives

Walk-About

Circulate the grid to discuss each of the ideas. Ask a colleague to offer a new tip or implementation strategy for working with manipulatives. Have them initial the space and move to discuss another topic with another colleague. Continue circulating until all spaces are initialed.

<p>What tips do you have on transitioning students from seatwork to working in small groups?</p>	<p>How do you prepare the manipulatives that students will use during the lesson/activity?</p>	<p>Tip:</p>
<p>Tip:</p>	<p>How do you ensure the students have learned the mathematics?</p>	<p>How do you monitor students' use of the manipulatives?</p>
<p>How does working with manipulatives give students a working mental picture of mathematics?</p>	<p>Tip:</p>	<p>How do you transition the learning from the concrete to the abstract?</p>
<p>How do you clarify the steps and processes students will use with the manipulatives?</p>	<p>What techniques do you use to quiet the room during the activity?</p>	<p>Tip:</p>



Using Manipulatives

Creative Uses for Everyday Objects

- I. What are some creative ways that you could use the following objects while teaching a 4th-6th grade mathematics lesson?
 - Yarn
 - Paper plates
 - Sand
 - Measuring cups/spoons
 - Empty cartons
 - Canned foods
 - Balls of various sizes
 - Boxes of various sizes
 - Beans/peas/pasta
 - Marbles

2. List some other everyday object that could be incorporated into the mathematics classroom. Give ideas for how they would be utilized.