

<b>Lesson Title</b>	Grade One Cave Creatures
<b>Common Core Standard</b>	1.OA.6 Add and subtract within 20, demonstrating fluency within 10
<b>1. Shared event:</b> What might be the introduction to the task and description of the task the students will be experiencing?	<p>Students are in predetermined pairs. Partners are given a game mat with two different colored 'caves' on it. Each pair is given a set of ten creatures. Tell them they will have time to explore . Give them approximately 10 minutes.</p> <p>Ask students what they've observed. If they talk about combinations that add to ten, record that information. Create scenarios for students to complete: 'If there were 4 creatures in the blue cave, how many would be in the red cave?</p>
<b>2. Picture or model:</b> What types of pictures might you see?	Students draw and write about the activity.
<b>3. People-talk:</b> What do we think students are going to say about the shared experience?	Monitor and select students to share their picture and writing. Ask students to listen for words that keep coming up. Students may say add, total, plus, equals, creatures, mats, friend, etc.
<b>4. Feature-talk:</b> What terms, ideas, comments, do you think the students will bring out and what are the mathematical ideas you hope to flush out?	<p>Discuss common language. Ask students to name components of the activity and critical language. For instance, how would you tell the principal what you learned about math today?</p> <p>Ten, parts, total, creatures, add, plus, put together, parts, , equals, numbers 1-10</p>
<b>5. Symbolic representation:</b> What are some possible symbolic representations that may result from the feature talk?	<p>Review that symbols are pictures that stand for something else. What are symbols we might use to show one round of the activity? For instance, use symbols to show 4 in the red cave and 6 in the blue cave.</p> $10 = 4 + 6$ $6 + 4 = 10$ $10 = 6 + 4$ $4 + 6 = 10$
<b>Materials needed:</b>  Mats with two different colored caves on them Bags of creatures, ten in each bag Paper, writing materials	

**Math Literacy Initiative**

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