

Bears in Caves

Reporting Category	Number and Number Sense
Topic	Count and write numerals to 100
Primary SOL	1.1 The student will a) count from 0 to 100 and write the corresponding numerals.

Materials:

- Bear counters
- Plastic bowls/cups (caves)
- Recording sheet
- Pencils

Vocabulary: *total, part, missing, counting on, counting back, equal, all*

Student/Teacher Actions (what students and teachers should be doing to facilitate learning)

1. Tell students which number they will be working on during the activity and have them brainstorm things that they know about that number. For example, the number “8” could tell how many legs a spider has or how many tentacles are on an octopus.
2. Record their ideas on chart paper/board to begin the conversation about the number being discussed.
3. Have the partners count the number of bears they will be working with during the lesson, and let them know that this number indicates how many bears they will have in all.
4. Each set of partners should get a plastic bowl/cup to represent the bear cave.
5. Explain that students will take turns with their partner hiding some of the bears in the cave (under the bowl/cup) and leaving the rest outside the cave.
6. Students will figure out how many bears are hiding in the cave, given the total number of bears and the number of bears outside the cave.
7. Students will continue taking turns hiding bears in the cave until they have found different combinations for the total number.
8. Pull the students back together for a whole-class discussion of the different combinations they found for the number, and the strategies they used to decide how many bears were hiding inside the cave.
9. List all the different combinations on chart paper/board, and discuss what the students notice.

Assessment

- **Questions**
 - If ___ bears are outside the cave, how many are inside the cave? How do you know?

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- How did you determine how many bears were inside the cave?
- Do you notice any patterns with the different combinations you found?

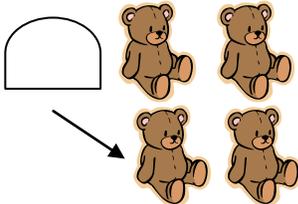
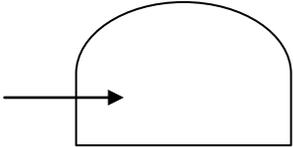
Variations:

- Use numbers that meet individual student needs.
- Struggling students can uncover the bears inside the cave if they are having difficulty figuring out the unknown part.
- Have students write a number sentence to show how they determined the missing part.

Name _____

Bears in Caves

There are ____ bears in all. Write how many bears are outside the cave. Write how many bears are inside the cave.

Outside 	Inside 	Total Bears 