

Forward Count

Name _____

Problem1:

Enter **AC** **1** **+** **+**

=

=

=

=

=

Display

k **.** **+**

What is the calculator doing?

Problem2:

Enter **AC** **1** **+** **+** **7** **=**

=

=

=

Display

8.

What is the calculator doing? _____

Where did it start? _____

Thinking Cap

What number would you enter for ? to get a display of 25? Complete the displays.

Enter **AC** **1** **+** **+** **?**

=

=

=

Display

25.

TEACHER NOTES: *Forward Count*

Objective: To count on by one.

Grade Level: K-1

Topic: *Numeration*

Using the Activity:

This activity can be completed with students using calculators or can be done with the teacher using the overhead version of the SL-450 (model OH-450) and students responding to the display. Entering **number** $\boxed{+}$ $\boxed{+}$ activates the automatic constant for addition on the SL-450. This results in the indicated number being added again and again to the display as equal is pressed. Students should count orally as the equal key is pressed. Students could be asked to predict the next number before the equal key is pressed to check for understanding of number sequence.

What is the calculator doing? *counting on from 1*

In problem 1, ask students:

How many times do you have to press the equal key to display 18? answers will vary (17) Why? (18 is 17 more than 1)

Take their response and press $\boxed{=}$ that number of times to see what will happen. Were they correct? If not, have them modify their guess.

Reinforce by asking:

How many times do you have to press the equal key to display 39? (38)

For problem 2, the calculator is counting on by 1's from 7.

Ask: How many times did you press $\boxed{=}$ to display 11? (4) Why? (11 is 4 more than 7)

How many times will you have to press the equal key to display 20? (13)

Children should have access to a hundred chart to facilitate answering the questions. This will allow students to recognize relationships between numbers.

Thinking Cap

This section provides a challenge and extension for the learner. Children suggest numbers for the question mark before completing the sequence using a calculator.

Extension:

Enter $\boxed{1}$ $\boxed{+}$ $\boxed{+}$

Close your eyes. Press the equal key over and over until you think the calculator displays 20. Stop. Open your eyes. Were you right? How did you know when to stop? How much time will it take to reach 100? 1000?