

## Place Value

### Directions

Materials, Overview and Test Procedure

#### Materials

- Student materials (stimulus), timer, pencil, clipboard, scoring sheet, pencil for each student.

#### Overview and Test Procedure

- This is a 2-minute timed assessment of a student's accuracy and cognitive efficiency with using place value and grouping concepts. In this test, students are (a) given ten frames and asked to produce the numeral, and (b) given numerals and asked to identify the correct group of ten frames.
- This test can be administered both individually and in small groups of no more than five children.
- Provide student(s) with a pencil and one copy of the student materials.

Preparation

**Prep ►** Give each student a copy of the Place Value Screening packet, and a pencil.

Student Practice

**Read ► We will practice writing numbers using base-10 blocks. These small blocks (point) are equal to 1, and these tall blocks (point) have 10 small blocks, so they are equal to 10. The largest block (point) is equal to 100. If these are tens (point to the row of 10s), and these are ones (point to the row of 1s) what number is this? (Point to the collection of blocks.) Let's count together. (Point to each 10-frame and block and say) 10, 20, 30, 40, 41, 42, 43, 44, 45, 46, and 47. There are 47 blocks. Write the number 47 in the box.**

**Read ► The next type of item asks you to circle the correct number of blocks. This is the number 53 (point), so that means that we will count 53 blocks. Let's count together. Point to each 10-frame and block and say) 10, 20, 30, 40, 50, 51, 52, 53. Now put a circle around the 53 blocks.**

**Read ► Please turn the page. (Pause for student to turn page). Do not start working until I tell you to do so because I have more instructions. When you see items like this (point to the first page), you will count the base-10 blocks and then write that number inside the box. (Turn the page, making it obvious that you have to flip over the packet.) When you see items like this (point to the first item for circling the correct number of blocks), you need to count to the number of blocks that match these numbers (point to the numbers), and then circle the blocks. Remember these are tens (point to the rows of 10), and these are ones (point to the 1s). Work quickly and try not to skip any. If you get stuck, move on to the next item. When I tell you to stop, put your pencil down. Are you ready? Start. Start timer. Stop timer after 2 minutes.**

**Scoring, and Guidelines****Types of Potential Errors ▶**

1. **Incorrect Answer:** If the student writes/circles the wrong answer, mark the response incorrect.

**Non-Errors ▶**

1. **Numbers written backward:** Numbers that are written backward are considered correct.

**Other Testing Considerations ▶**

1. **Student says that he or she does not know the answer:** Say, "That's okay. Let's try the next one." and then point to the next item.
2. **Student asks examiner for assistance:** Say, "Try the next one."

**Group Administration ▶**

1. During a group administration some students might need help turning the pages of the student materials. Administrators may help students turn the page when necessary. Administrators should remain with the students during group testing, however do not provide any additional feedback on student responses.