

At Home-Cards and Counters

Materials: A container-box, tray, basket...
A set of numerals from 1 - 10
55 counters (red circles, coins, rocks...)
A rug or long table

Purposes: Verification of the sequence of the numerals from 1-10
Verification of the quantities that correspond to these symbols
Preparation for work with odd/even
Preparation for the divisibility of numbers, and for multiples

Steps:

1. Before giving this lesson, the child should must recognize numerals 1-10.
2. On a large rug or table, place the tray on the low-right side.
3. Take out the numeral cards, mix them facing down, and place them horizontally on the bottom-edge of the rug in front of the child.
4. Review the numerals with the child, reveal for him to identify them, one at a time.
5. Order the numerals on the top-edge of the rug, say the name of the each one after placing it. sequence the cards leaving space in between the cards.
6. Mix them again at the bottom, and ask the child to place them in order.

Note: Don't proceed if the child is not able to put the numerals in order.

7. Open the box of counters and begin placing them. Say first the numeral and then place the counter under the card. One will be in the center, for two it will be on the sides (two columns).
8. Continue with the rest: identify the number and count individually. Lay down in a pattern: if it is odd place it centered under the card and if it is a pair make two columns under the card. Take one counter at a time and count.
9. When done, show the empty box.
10. Then count the 'counters' into the box individually, point to the card and one by one put back the counters into the box.
11. Transfer the work to the child: "Now you may count the counters".
12. When he is counting alone fade and observe.
13. When done, ask the child if he wants to do it again. If not, ask him to put it away.

Exercises for other days: Each of these exercises should be done in different days. Tell the

child that you are going to show him something new. Ask him to set the cards and counters first.

1. Point to each counter (corresponding to odd numbers) and run the fingers down or up the columns. Say the number as you do it.
2. Introduce even and odd numbers. Tell him: "Let's find all the numbers that have just pairs. Let's find all the numbers that have the extra counter". Offer the definitions: "Numbers that have pairs are even numbers. Numbers that have an extra counter are odd". Do a Three Period Lesson. (Example: count an odd numeral, show a small even number, have your fingers go through an even number...) in the third period you may ask: "What kind of number is this, while pointing to the card".

Notes:

- The child is getting an impression of divisibility without any conscious effort with this work.
- If he is having a hard time on understanding the even and odd numbers, you can lay the even on the top part of the rug and the odd on the bottom part of the rug; this will help him identify them easily.
- Observe where the obstacle is and deal with that in another moment. Do not make corrections. If he didn't get it, you may tell him that you will do it again in another day.

Links:

For Parents

- https://www.youtube.com/watch?time_continue=64&v=H80D65Dy-UM&feature=emb_logo
- <https://www.mother.ly/child/montessori-at-home-10-ways-to-encourage-math-skills-in-young-children>

For child

- Song Over the Meadow
<https://www.youtube.com/watch?v=rSqEfjzRiX8>
- <https://www.youtube.com/watch?v=C6ljGXMMB-g>
- Game-Mancala
<https://lifestyle.howstuffworks.com/crafts/seasonal/math-games-for-kids8.htm>

Printables