

Making Paper Plate Sorting Pockets

Skills:

numeral recognition
numeral and set association
number word recognition
numeric order

Use:

*individual practice with numeral, set, and number word recognition and association
*pairs or small group practice with numeral, set and number word recognition and association
*home practice and sharing of numeracy skills

Materials:

2 paper plates (for each sorting pocket)
scissors
stapler
crayons or markers
student page for the numeral desired

Instructions:

1. Reproduce the student page for each child. Colored paper can be visually stimulating. Most of the set pictures are too small for the child to color comfortably. The teacher may wish to make a set of pictures, colored in detail for a math center.
2. Student pages 26 to 36 can be enlarged on a copier if required.

Discuss the numeral in the half circle:

"What is the name of the numeral?"
"Use your finger to touch each of the other matching numerals on the page."
"Let's count, in order, up to that numeral. Say aloud."
"Put your finger on the numeral that DOES NOT match the other numerals."
"What is the name of the numeral that does not match?"
"Is it a number greater than or lesser than the number in the half circle?"

Discuss the set pictures:

"Let's count some of the pictures in the squares."
"Are there any squares that contain the same total number of pictures as the numeral in the half circle?"
"How many pictures do some of the other squares contain?"

Discuss the number words:

"Which number words describe the numeral in the half circle?"
"What are the other number words?"
"How are the words similar or different?"

2. Instruct the child to trace the numeral in the half circle with a crayon or marker. Then trace all other numerals that match, as well as the number words that describe that numeral. Cut out the half circle and all the other squares and rectangles. Coloring before continuing is optional.

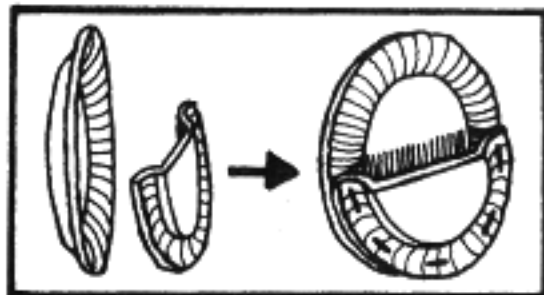
3. Cut **one** of the paper plates in half.



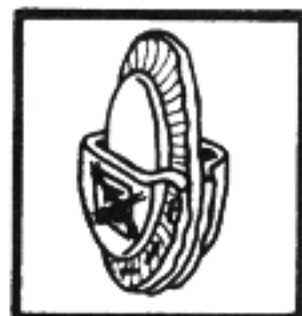
4. Staple one of the halves to the lower half of the whole paper plate. Staple them rim to rim so the plates curve away from each other, forming a roomy pocket.



5. Glue the half circle picture to the plate above the pocket.
6. Glue one of the number word rectangles to the front of the pocket.



7. Staple the second half of the paper plate to the lower half of the whole paper plate - in the back. Staple the rims facing the same direction to make a snug pocket.
8. Glue one of the numeral squares to the snug pocket and draw a red X through the numeral.



Activity:

The child sorts the numerals, sets and number words that match the numeral in the half circle into the roomy pocket in the front. The cards that do not match are placed in the snug pocket in the back.

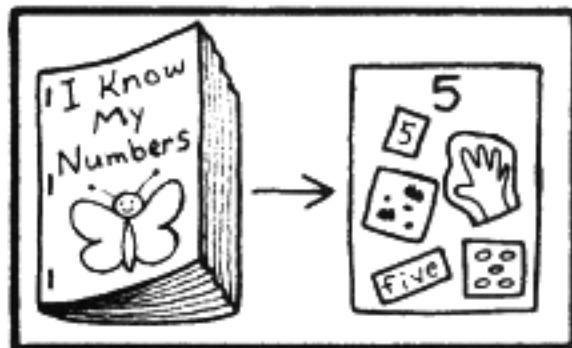
After a week or two of practice at school and at home, glue the cards and pictures on the correct page in a number book (see instructions below).

Challenge: Encourage the child to look through magazines to find pictures, numerals or number words that match the numeral in the half circle. Add them to the roomy pocket. Cut blank index cards in half and let the child use rubber stamps to make numeral, set and number word cards to add to the roomy pocket.

Challenge: After making several pockets, some of the cards that were in the snug pockets can now be put in the roomy pocket with the correct numeral.

Extended Activities

Make a number book: Provide 30 sheets of paper stapled along the left side, like a book. Instruct the child to print a number at the top of each page, in numerical order. Glue the cards and pictures gathered for the pockets to the correct number page. Let the child make a cover using construction paper and staple it to the book.



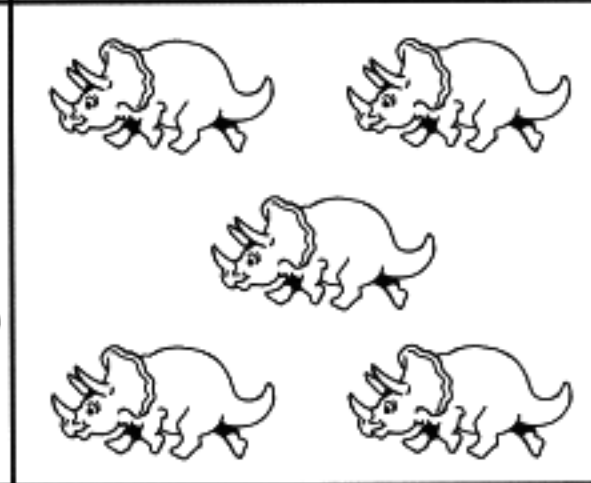
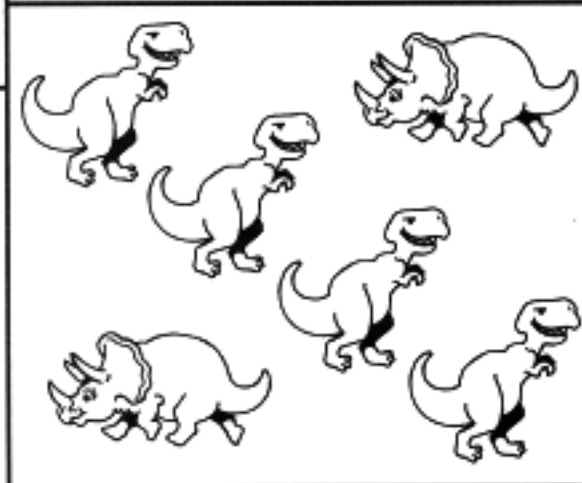
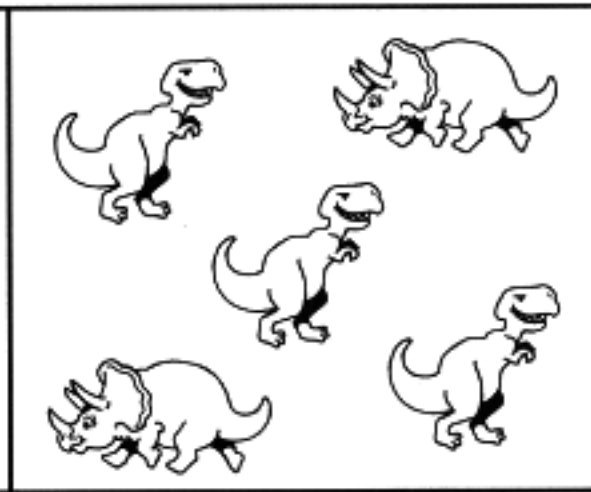
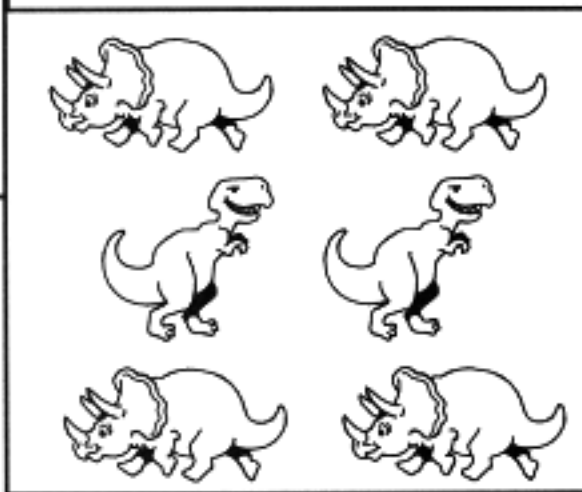
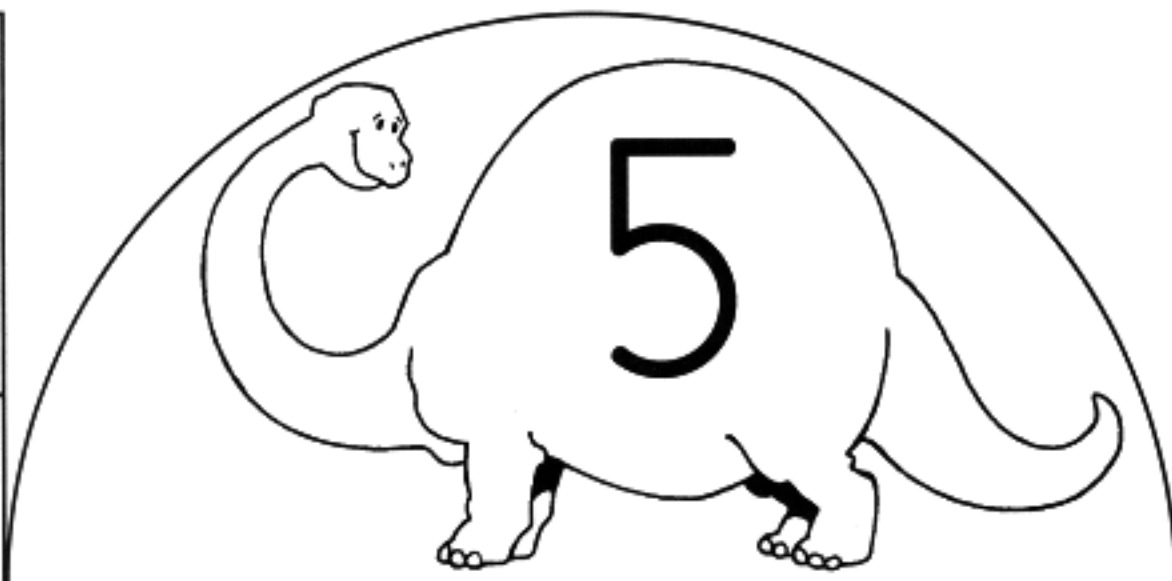
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five

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four