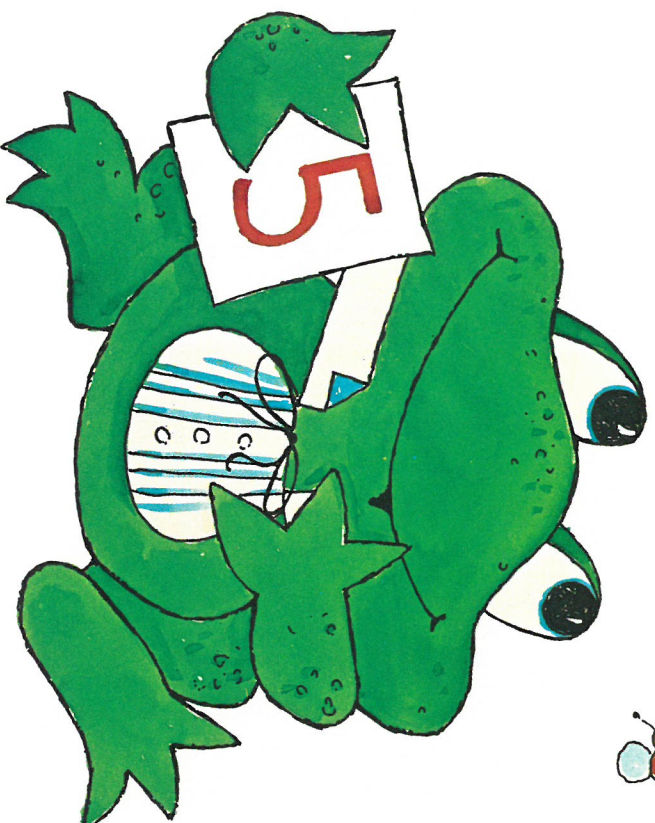
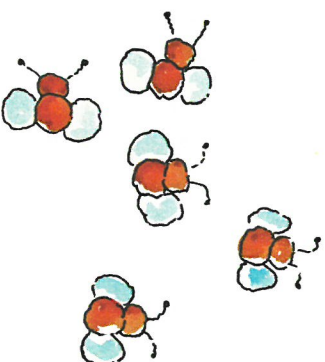
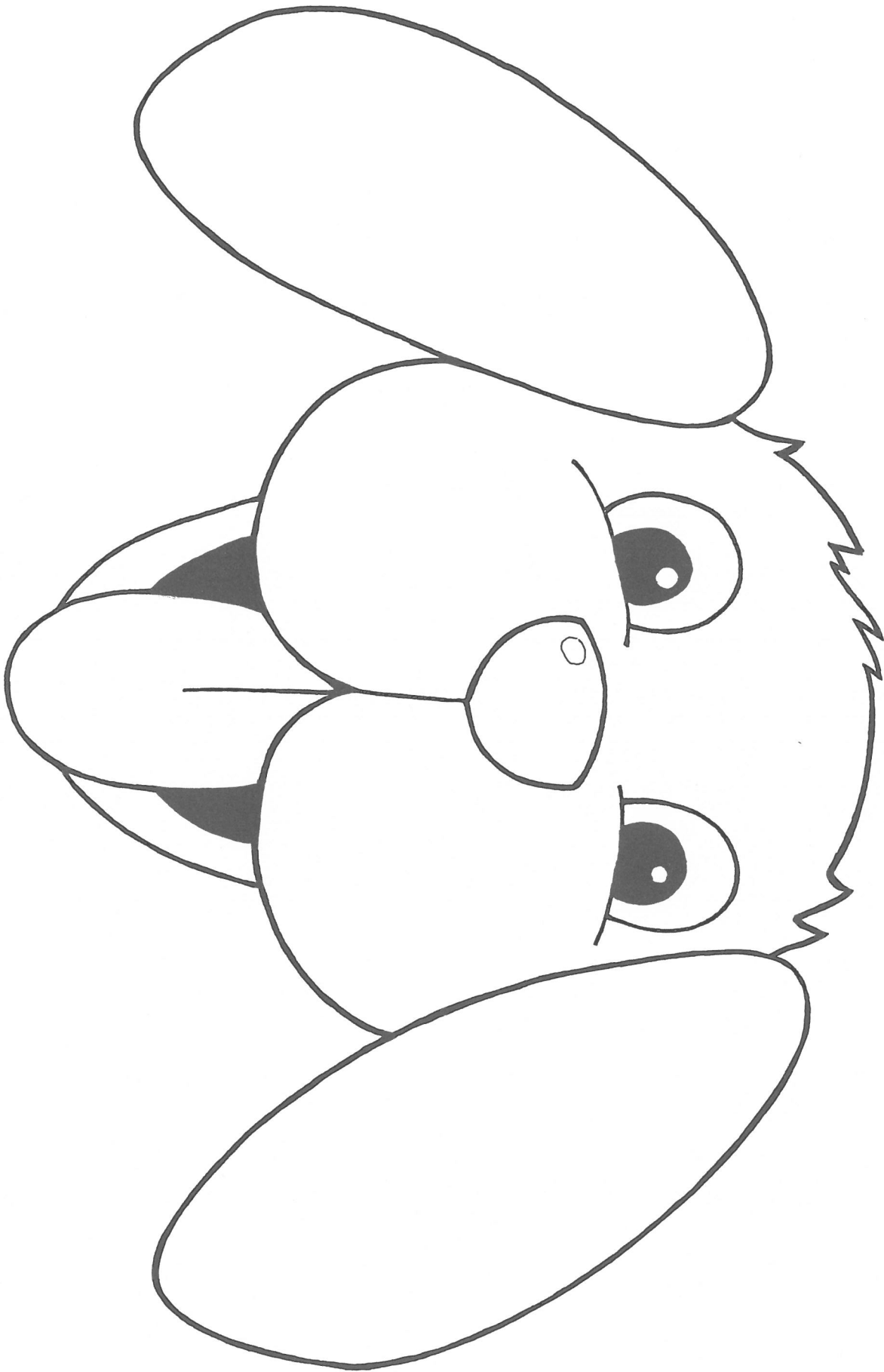


Number Skills



Macmillan Early Skills Program



This game reinforces number recognition and can be played by two children.

You need: dog pattern on page 14

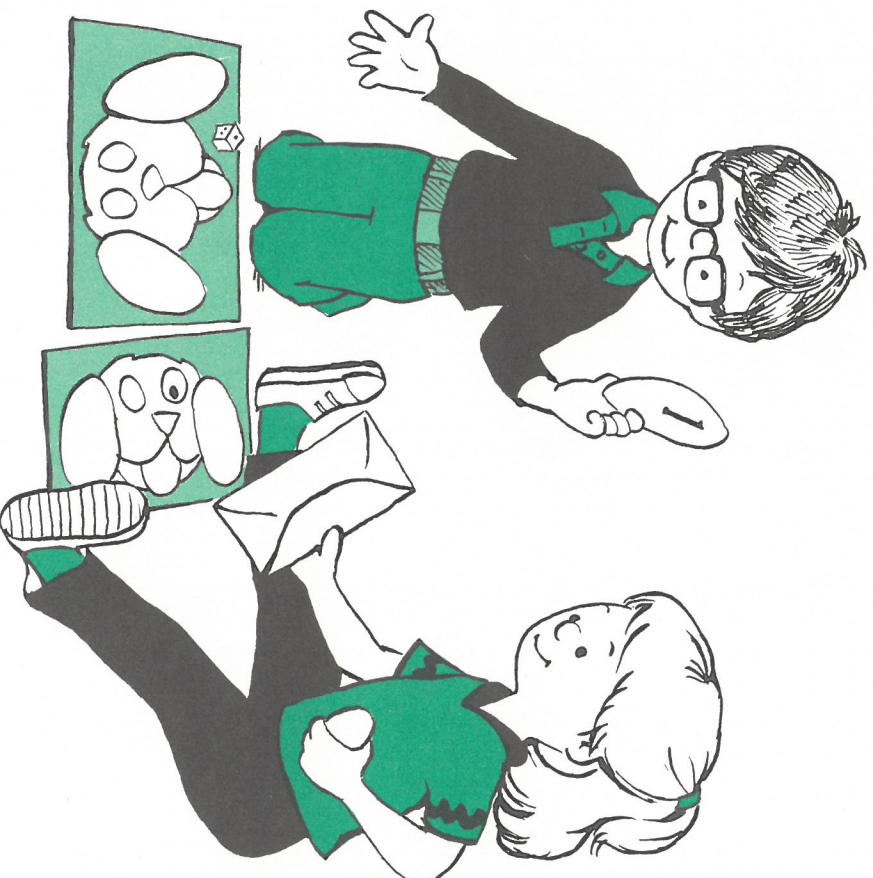
scissors
oaktag
markers or crayons
two envelopes
one die

Steps:

1. Reproduce the dog pattern on page 14 three times.
2. To make the game boards, cut out one dog pattern and trace the dog's head onto two 9" x 12" pieces of oaktag. Using the same pattern, cut out the dog's eyes, ears, nose, and tongue and trace these parts in the proper places on each piece of oaktag.
3. Next, make two sets of playing pieces from the remaining two patterns. Number from 1 to 6 the eyes, ears, nose, and tongue of one dog. Then number the pieces of the other dog in the same way.
4. With crayons or markers, lightly color the numbered pieces of each dog. Cut out and put each set of pieces in an envelope.
5. Give each player a game board and an envelope containing the numbered pieces.
6. Each child rolls the die. The one who gets the higher number goes first.
7. The first player rolls the die and places the corresponding numbered piece in the right place on the game board. The other player then takes a turn. If a player rolls the die and gets a number that is already on the game board, the turn is lost.
8. The first player to complete the dog's face is the winner.

Variation:

Addition and subtraction problems may be written on playing pieces for older children, who must find the correct problem with an answer that corresponds to the number rolled on the die.



This activity familiarizes children with the value of different coins and provides practice in addition.

You need:

- scissors
- oaktag
- markers
- tape
- paper
- pencils
- play money (nickels, dimes, quarters)
- envelopes (one for each child)

Steps:

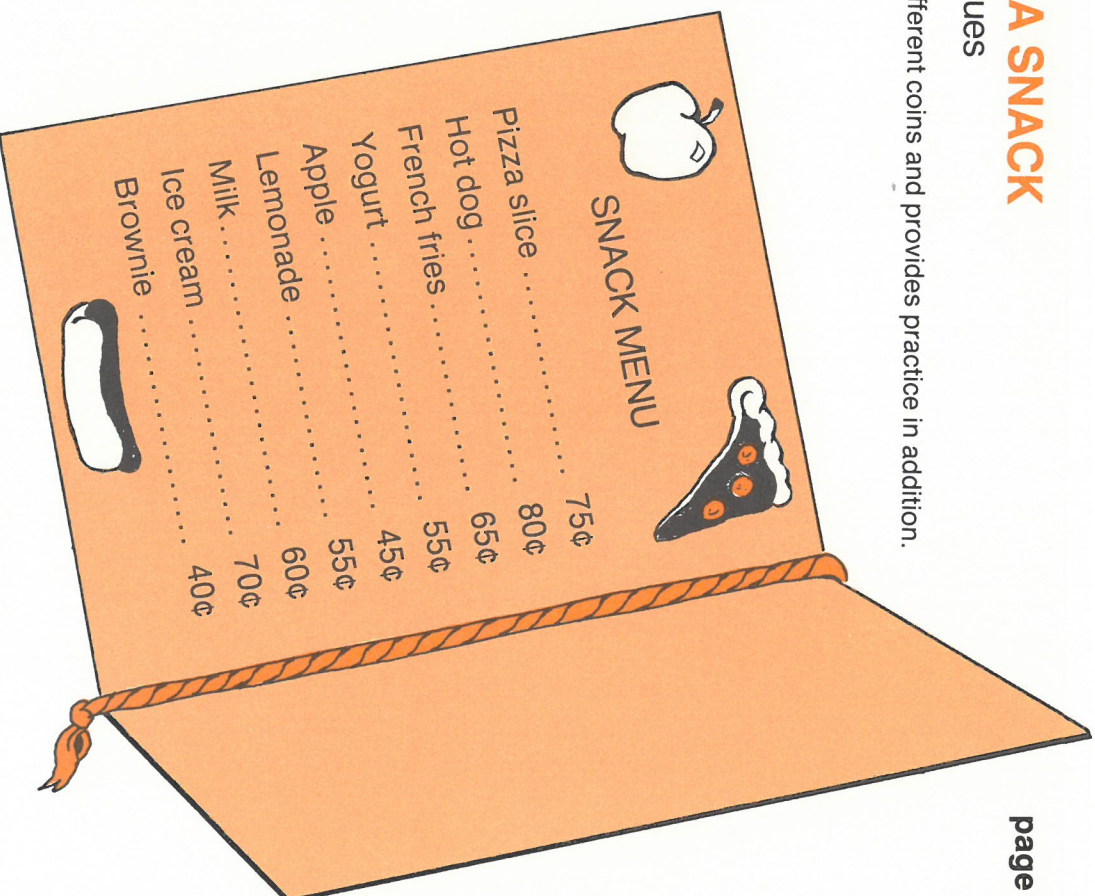
1. Cut a piece of oaktag approximately 12" x 15" to represent a menu.
2. Prepare a menu as shown on this page and copy it with markers onto the 12" x 15" oaktag.
3. Tape the finished menu to the chalkboard.
4. Give each child paper, pencil, and an envelope containing play money amounting to \$1.00. Make several variations of coins totaling \$1.00 so that children do not all have the same combination. For example: three quarters, five nickels; two quarters, two nickels, four dimes; one quarter, five nickels, five dimes.
5. Have children choose from the menu the food they would like to order. Children may not spend more than \$1.00. The children then write their orders on their pieces of paper and record the proper price next to each item. Then they add up the prices and write down the total cost.
6. Each child arranges across the bottom of the paper the proper combination of paper coins required to pay for the snack.

Variations:

1. Prepare menus for different meals (breakfast, lunch, dinner) and tape them to the board for children to use in ordering.
2. Provide more than \$1.00 in play money for the children to spend.

Follow-up Activities:

1. Make a bulletin board display of menus and the children's orders.
2. Have the children make up their own menus for the class to use when ordering.



ORDER FORM

NAME _____

Apple	45¢
Yogurt	55¢
Total	\$1.00

25¢

25¢

10¢

10¢

10¢

10¢

5¢



This activity will familiarize your class with the four basic geometric shapes.

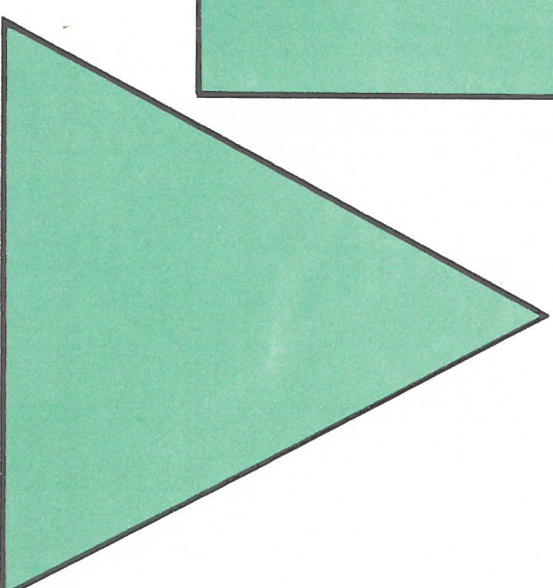
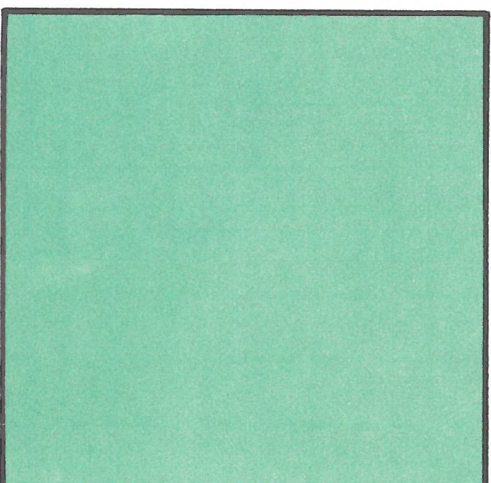
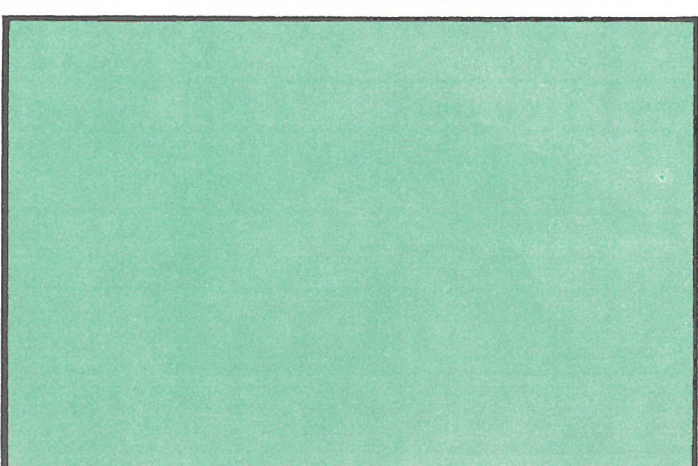
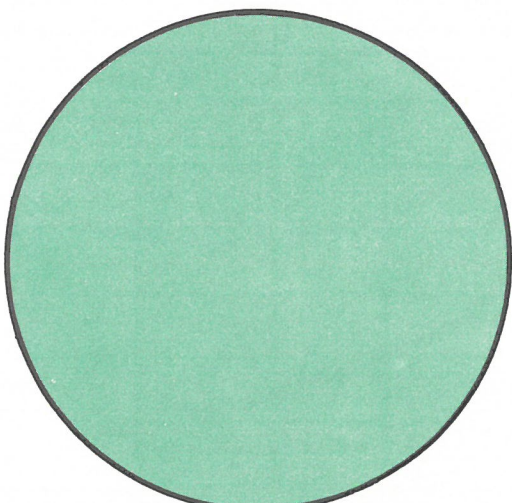
You need: pirate headband for each child (see instructions on page 10)
shoe box
markers, odds and ends, decorative trim
geometric shape patterns
scissors
9" x 12" construction paper

Steps:

1. Have children, wearing their pirate headbands, decorate a shoe box with markers, odds and ends, and trim to be a treasure chest.
2. Reproduce the geometric shape patterns on this page. Cut out the patterns and trace them on different-colored construction paper. Cut out two sets of patterns for each child. Place geometric shapes in the treasure chest.
3. Have children take turns picking out eight shapes from the treasure chest without looking.
4. Give each child a piece of 9" x 12" construction paper. Have each child create a picture with the chosen shapes by arranging them on the paper. When children have told the class about their pictures, the shapes are returned to the treasure chest until the game is played again.

Variation:

For older children, write a number from 1 to 4 on the back of each shape. All corresponding shapes must have the same number (all squares = 1, all circles = 2, and so on). After children make their shape pictures, the numbers on each child's shapes are added and the child with the highest number is the winner.



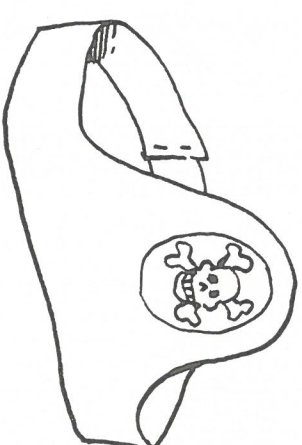
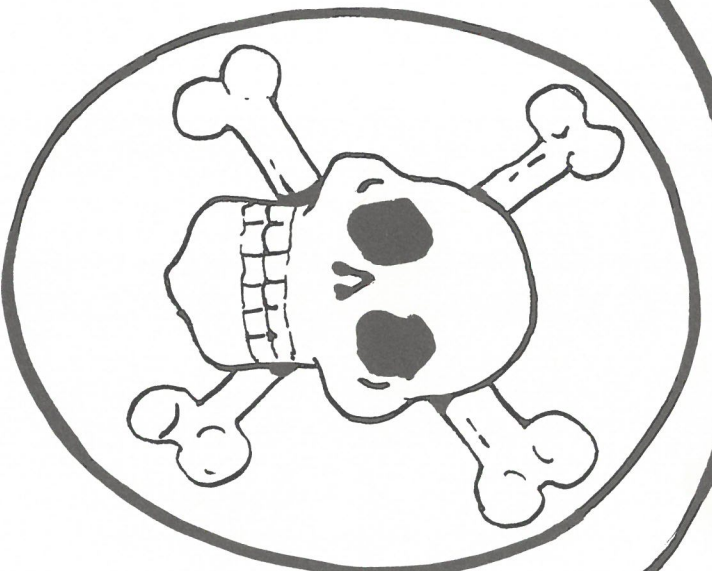
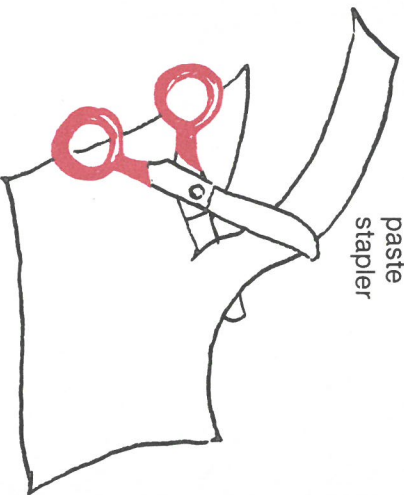
PIRATES AND TREASURE CHEST

Make a Pirate Headband

You need:

ruler
18" x 24" black construction paper
hat pattern
scissors
oaktag
skull-and-crossbones patch pattern
(one for each child)

paste
stapler



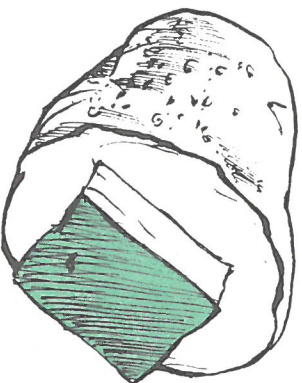
Steps:

1. Have children measure a 2" x 24" strip on the black construction paper.
2. Reproduce the hat pattern on this page, cut out, and trace it onto oaktag. Cut out. Children will center the pattern on the strip and trace the pattern onto the construction paper. Have children cut out their headbands.
3. Reproduce the skull-and-crossbones patch pattern on this page for each child. Have children cut out the patch and paste it onto their headbands.
4. Staple the ends of the headband together to fit each child's head.

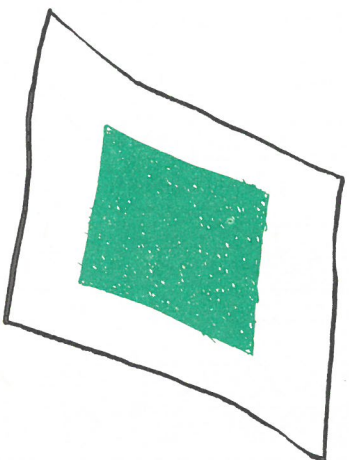
Shape Potato Prints / Shape Sculpture

These art activities help familiarize the children with the different geometric shapes.

SHAPE POTATO PRINTS



You need: paring knife
potatoes
paintbrushes
tempera paint
white paper



Steps:

1. Cut the potatoes in half.
2. On each half, cut in about $\frac{1}{2}$ " to $\frac{3}{4}$ " deep and cut out a shape by removing the excess potato around it. Make one shape (circle, square, triangle, rectangle) for each potato half.
3. Have children dip their brushes in the paint and paint over the exposed shape area on the potato.
4. After applying the paint, children can use the potato as a print block and press the shape area onto white paper to make a print.
5. Have children press the various shapes onto the paper to see the comparison.

Follow-up Activity:

Children may use the potato prints to create pictures. A variety of geometric shapes may be needed, and there may be more than one of each shape so that more colors can be used.

SHAPE SCULPTURES

You need: cardboard boxes and rolls of various shapes and sizes
wallpaper scraps
scissors
paint
paintbrushes
glue
sturdy cardboard

Steps:

1. Have children bring from home cardboard boxes, rolls, and containers (toothpaste box, paper towel roll, salt box, large and small gift boxes, cereal boxes, and so on).
2. Place all the containers in a big box. Have children pick out the shapes they would like to use for their sculptures.
3. Children can then decorate the containers with wallpaper or paint.
4. Boxes and rolls will be glued together to form anything the children would like to make (person, house, car, or other object).
5. After the glue has dried, the sculptures can be mounted on sturdy cardboard.
6. Have an exhibit of all the sculptures.

