

# Exercise 16

## Exercise Objective

Students will match shapes to objects around them.

## Exercise Preparation

For each student: crayons

For the Modeling Shapes portion of the lesson for each student: 8 toothpicks, a 1- x 6-inch strip of paper, tape, a small paper plate, crayons or markers, and clay (or combinations of these items)

## Exercise Plan

Go through the examples on the Lesson Sheet. These illustrate some shapes and common items that look like those shapes. Describe the object, then let students tell you what shape the object represents.

Once students understand the process, ask them to find other items in the classroom or outside.

At this point the items students choose just need to be roughly the shape of the geometric figure - for example the tea kettle is not exactly a triangle or pyramid, but it has a 3-sided shape.

Now have students turn to their lesson sheets and draw an everyday object (or two) in the shape of their choice in the empty space on the page. Let volunteers share their drawings.

## Modeling Shapes

Give each student a small paper plate and crayons or markers. Ask students the shape of the plate. Let them brainstorm some familiar round objects from home, school or their neighborhood. Then have them

use the materials to create a familiar round object with the plate (clock, balloon, CD, soccer ball, manhole cover, light, etc.).

Give each student four toothpicks and some clay. Have them create a rectangular shape with the materials. (Show them how to use the clay to anchor the toothpicks in place.) Let them brainstorm some familiar rectangular objects. Give each student four more toothpicks to use with the rectangular shape to form a familiar rectangular object using as many or few of the toothpicks as they wish (fence, table, fireplace, picture frame, etc.).

Have students brainstorm some familiar triangular objects. Then give each student a strip of paper and a piece of tape. Ask students to create a shape of their choice by folding or curving the strip of paper into a familiar object and taping the ends together, if they wish (round swimming pool or hamster wheel, rectangular door frame or cake pan, triangular instrument or tent, etc.).

## Tests

This Kindergarten curriculum provides tests after Lessons 30, 55, 80, 105, 130 and 150.

There are no exercises on test days.