

## LogoWriter Activity 3

### Repeat After Me

In this activity you will learn to use the REPEAT command. It is a powerful command that will save you a great deal of time and typing. REPEAT repeats commands within its brackets a specified number of times. The general form for the REPEAT command appears as follows:

```
repeat number of times to repeat [instructions to repeat]
```

REPEAT must be followed by a number and a list of commands. The list of commands can be any set of statements that you decide upon. Test the following set of commands to get a pointed ball.

```
REPEAT 25 [FD 80 RT 165]
```

In a past activity you created a square by having the turtle move forward a designated amount and turn 90 degrees four times. The commands that you used before to draw a square were:

```
FD 50 RT 90 FD 50 RT 90 FD 50 RT 90 FD 50 RT 90
```

The commands FD 50 RT 90 are repeated four times. This can be simplified to :

```
REPEAT 4 [ FD 50 RT 90]
```

You will use similar REPEAT commands to make other shapes in the future.

#### **How to “Movie”**

[Using the Repeat command](#)

## Logo

### Assignment #3:

Name: \_\_\_\_\_

- 1) In the following list of instructions, decide which set of commands are repeated.

FD 60 RT 120 FD 60 RT 120 FD 60 RT 120

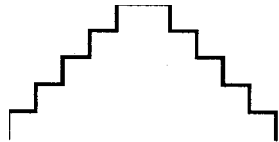
What REPEAT command will produce the same shape?

- 2) Create a REPEAT command that will make a stair-step pattern. This pattern should consist of:

moving up - turning right - moving right - turning left moving up - turning right - moving right - turning left etc.

What command did you use?

- 3) List the commands needed to create the following:



### Extra Credit

- 1) Develop a REPEAT command that will allow a user to create the following shape.

