## Geometric Shapes

Each student needs seven markers (pennies, bread clips, bottle caps, etc.) Have the students spread out and drop a marker on the ground at their feet. Do not inform the students of the types of figures they are constructing. Read out the following instructions one at a time:

1. Square
a. Place first marker at feet.
b. Walk 10 steps at $90 \%$ and place the second marker.
c. Walk 10 steps at $180^{\circ}$ and place the third marker.
d. Walk 10 steps at $270^{\circ}$ and place the fourth marker.
e. Walk 10 steps at $360^{\circ}$ and place the fifth marker.


Now step back to look at the area enclosed by the markers. Measure the distance between the first and fifth markers. Review the directions. What type of figure should have resulted? Markers 1 and 5 should be at the same point.
2. Equilateral triangle
a. Place first marker at feet.
b. Walk 10 steps at $30^{\circ}$ and place second marker.
c. Walk 10 steps at $150^{\circ}$ and place third marker.
d. Walk 10 steps at $270^{\circ}$ and place fourth marker.

3. Trapezoid
a. Place first marker at feet.
b. Walk 10 steps at $30^{\circ}$ and place second marker.
c. Walk 10 steps at $75^{\circ}$ and place third marker.
d. Walk 17 steps at $210^{\circ}$ and place fourth marker.
e. Walk 7 steps at $300^{\circ}$ and place fifth marker.

4. Hexagon
a. Place first marker at feet.
b. Walk 10 steps at $90^{\circ}$ and place second marker.
c. Walk 10 steps at $150^{\circ}$ and place third marker.
d. Walk 10 steps at $210^{\circ}$ and place fourth marker.
e. Walk 10 steps at $270^{\circ}$ and place fifth marker.
f. Walk 10 steps at $330^{\circ}$ and place sixth marker.
g. Walk 10 steps at $30^{\circ}$ and place seventh marker.


