

Patterns Using Shapes – Sheet 6

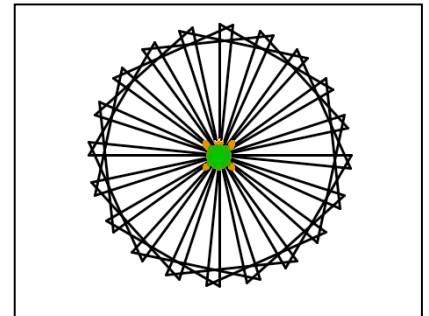
Once the children have grasped the idea that you can create procedures for shapes and that these shapes can then be used over and over again the scope for creating patterns is immense.

Here are a few ideas to help you on their way

A Star Burst

Create a procedure called TRIANGLE
REPEAT 3 [FD 150 RT 120]

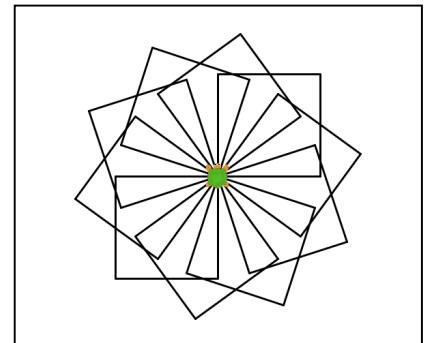
Then create a new procedure called PATTERN
REPEAT 20 [TRIANGLE RT 18]



Square Dance

Create a procedure called SQUARE
REPEAT 4 [FD150 RT 90]

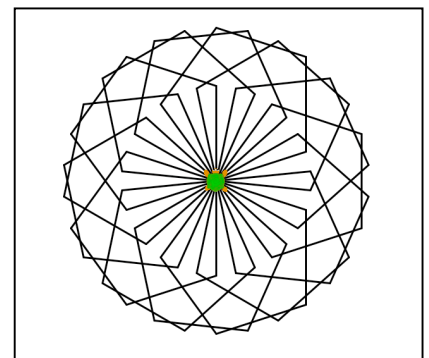
Now create a new procedure called DANCE
REPEAT 10 [SQUARE LT 36]



Pentagon Puzzle

Create a procedure called PENTAGON
REPEAT 5 [FD 150 RT 72]

Now create a new procedure called PUZZLE
REPEAT 15 [PENATGON RT 24]



Try this one for yourself

Create a procedure called **ARROW**:
FD 120 RT 30 BK 80 FD 80 LT 60 BK 80 FD 80 RT 30 BK120

Now create another procedure called **SHAPE** :
REPEAT 12 [ARROW RT 30]

Next create the procedure called **WEAVE**:
LT 30 FD 80 RT 60 FD 160 BK 160 LT 60 BK 80 RT 60 FD 80 LT 60 FD
160 BK 16 RT 60 LT 30

Finally we must put it all together in a procedure called **MYSTERY**:
REPEAT 12 [WEAVE RT 30] SHAPE

