

Topic – Computing

Friday 3rd April 2020

WALT recreate given algorithms

**Task**

Use the pattern from the pictures below and recreate it on Scratch.

Repeat with another pattern or create your own!

# Match the patterns



```
repeat 6
  repeat 8
    stamp
    turn 45 degrees
    move 40 steps
  turn 60 degrees
  change ghost effect by 10
  change color effect by 10
```

```
repeat 3
  move 100 steps
  turn 120 degrees
  change pixelate effect by 50
  change size by -20
  repeat 18
    stamp
    turn 20 degrees
```

```
repeat 12
  stamp
  turn 30 degrees
  change color effect by 30
```



```
set ghost effect to 50
repeat 6
  repeat 10
    move 5 steps
    stamp
    change color effect by 3
  turn 60 degrees
repeat 30
  move 40 steps
  stamp
  move -40 steps
  turn 12 degrees
change brightness effect by 40
next costume
repeat 5
  turn 72 degrees
  stamp
```

# Match the pattern



```
define Program 1
  set pen color to purple
  set pen size to 300
  repeat 10
    pen down
    change pen size by -50
    change pen color by 50
```

```
define Program 2
  set pen color to 25
  set pen size to 10
  repeat 100
    pen down
    pen up
    change pen color by pick random 1 to 200
    move pick random 1 to 50 steps
    turn C pick random 1 to 360 degrees
```

S



```
define Program 3
  set pen color to 70
  set pen size to 1
  pen down
  repeat 36
    repeat 4
      move 100 steps
      turn 90 degrees
    turn 10 degrees
```

```
define Program 4
  set pen color to purple
  set pen size to 5
  pen down
  repeat 12
    move 150 steps
    turn 150 degrees
```

@LdnCLC