

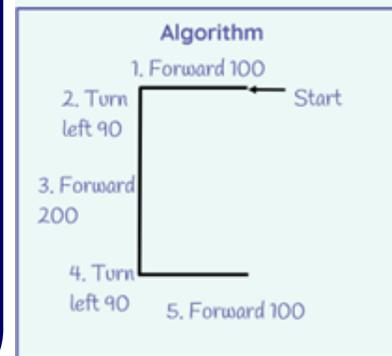
Sticky Knowledge:

- To know a loop command in a programme can be used to repeat instructions.
- To know a count-controlled loop stops after a specific number of times.
- To know there are different coding languages.
- To be able to design a program for a purpose.

Computational Thinking

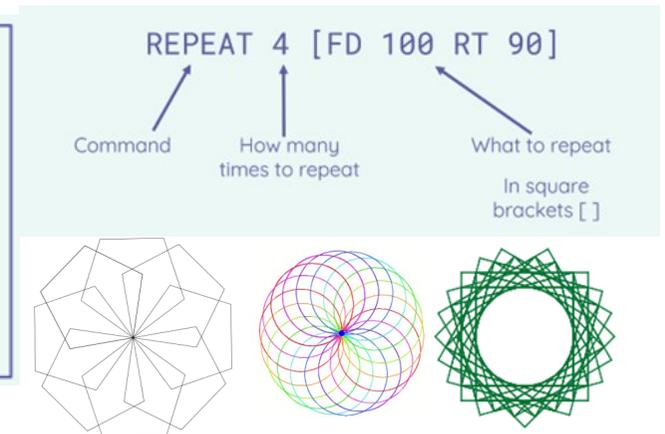
- To be able to identify patterns in code

Use a block-based programming language to explore count-controlled loops when drawing shapes.



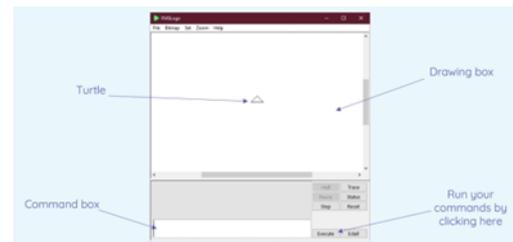
Code

```
FD 100
LT 90
FD 200
LT 90
FD 100
```



Example A

Example B



Shape	Logo Commands	Scratch blocks
	REPEAT 4 [FD 100 RT 90]	

Triangle	Pentagon	Hexagon	Octagon	Decagon
120°	72°	60°	45°	36°

Glossary:

- Program - a series of instructions to control a computer
- Event - an action that has significance for a system
- Input - put data into a computer
- Decompose - a problem solving technique
- Forever loops - a loop that repeats without ending
- Count-controlled loops - a loop that repeats a specific number of times
- Design - planning that exists behind an action
- Debug - identify and remove errors in a computer
- Algorithm - a set of rules to be followed by a computer
- Sequence - a basic algorithm
- Logic - describes the decision making process in programming.