Year 4: Computing– Programming B – Repetition in games

Scratch – Block commands

www.scratch.com
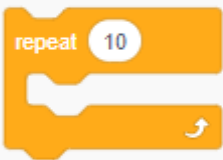
Block	Description
when 🚩 clicked	An event to start your algorithm
move 10 steps	A command of movement for your sprite
turn ↻ 15 degrees	A command of direction for your sprite
repeat 10	A command of count-controlled repetition
forever	A command of infinite repetition
pen down	A command for your sprite to put the pen down and draw
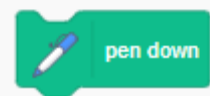
Angles

45°   90°

180°

Example code

when 🚩 clicked
pen down
repeat 4
    move 100 steps
    turn ↻ 90 degrees
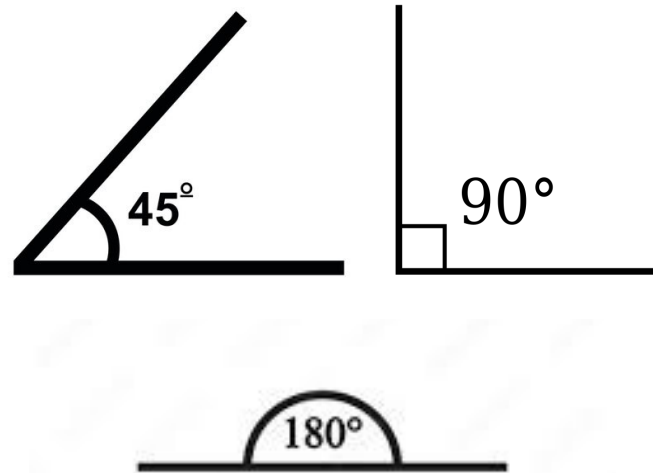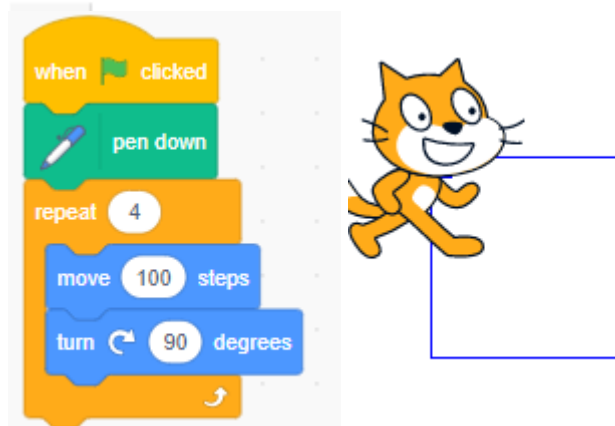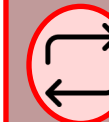
Key Vocabulary

Commands: A specific instruction given to a computer program that tells you what to do

Algorithm: A sequence of instructions that are followed to complete a task

Debug: Correcting found errors

Repetition: Occurring again several times in the same way

Count controlled loop: A loop that only happens a number of times

Infinite Loops: A loop that continues forever

Sprite: A character on screen