

# Coding basics

# Loops



## What is a loop?

A **loop** allows us to repeat a piece of code. Depending on the type of the loop the piece of code is:

- repeated a fixed number of times
- keeps repeating until a condition is true
- keeps repeating forever

## Using loops in code

Three Scratch code snippets are shown, each with a callout box above it. The first snippet is titled "Repeat 10 times" and shows a "when green flag clicked" block followed by a "repeat 10" block containing "step left" and "step right" blocks. The second snippet is titled "Repeat until a condition is true" and shows a "when green flag clicked" block followed by a "repeat until" block with the condition "touching edge" and "step left" and "step right" blocks inside. The third snippet is titled "Keep repeating forever" and shows a "when green flag clicked" block followed by a "forever" loop block containing "step left" and "step right" blocks.