



Coding & Algorithms

Bronze

These questions cover what algorithms are, and how sequences and loops work in code - part of the Year 4 computing curriculum. No computer needed for these questions.

Name: _____ Date: _____

Section A: Algorithms

1. What is an algorithm?

2. Write a simple algorithm (a set of steps) for making a jam sandwich.

3. Why do the steps in an algorithm need to be in the right order?

4. What might happen if a step is missing from an algorithm?

5. Give one everyday example of following an algorithm (not on a computer).

Section B: Sequences & Loops

1. What does a "loop" do in code?

2. If a loop repeats "move forward 1 step" 4 times, how many steps forward does that give?

3. What is a "sequence" in coding?

4. Why might a programmer use a loop instead of writing the same instruction many times?

5. Write a short sequence of instructions to get from your bedroom to the front door.
