

Max's Algorithm Adventures: Flashcards

Learning objective: To understand what an algorithm is and how to follow simple instructions.

Read the front of the card. Try to guess the answer. Then, look at the back to check your learning. Max the monkey is here to help you solve these computing puzzles!

What is an algorithm?

An algorithm is a set of step-by-step instructions to solve a problem or complete a task.

What does 'sequence' mean?

Sequence means putting your instructions in the correct order to make something work.

What is a 'bug' in computing?

A bug is a mistake in your instructions that stops the task from working properly.

What does 'debug' mean?

To debug means to find the mistake in your instructions and fix it.

True or False: An algorithm must be followed in the right order.

True. The order of steps is very important.

Can you name a daily task that uses an algorithm?

Yes! Examples include brushing your teeth, making a sandwich, or following a recipe.

What happens if an instruction in your algorithm is missing?

The task will not finish correctly because the sequence is broken.

Why do computers need algorithms?

Computers do exactly what they are told, so they need clear steps to know what to do.

Is 'Turn left' an instruction?

Yes, it is a single step in an algorithm.

How can you test your algorithm?

You can test it by acting out the steps yourself to see if the result is correct.