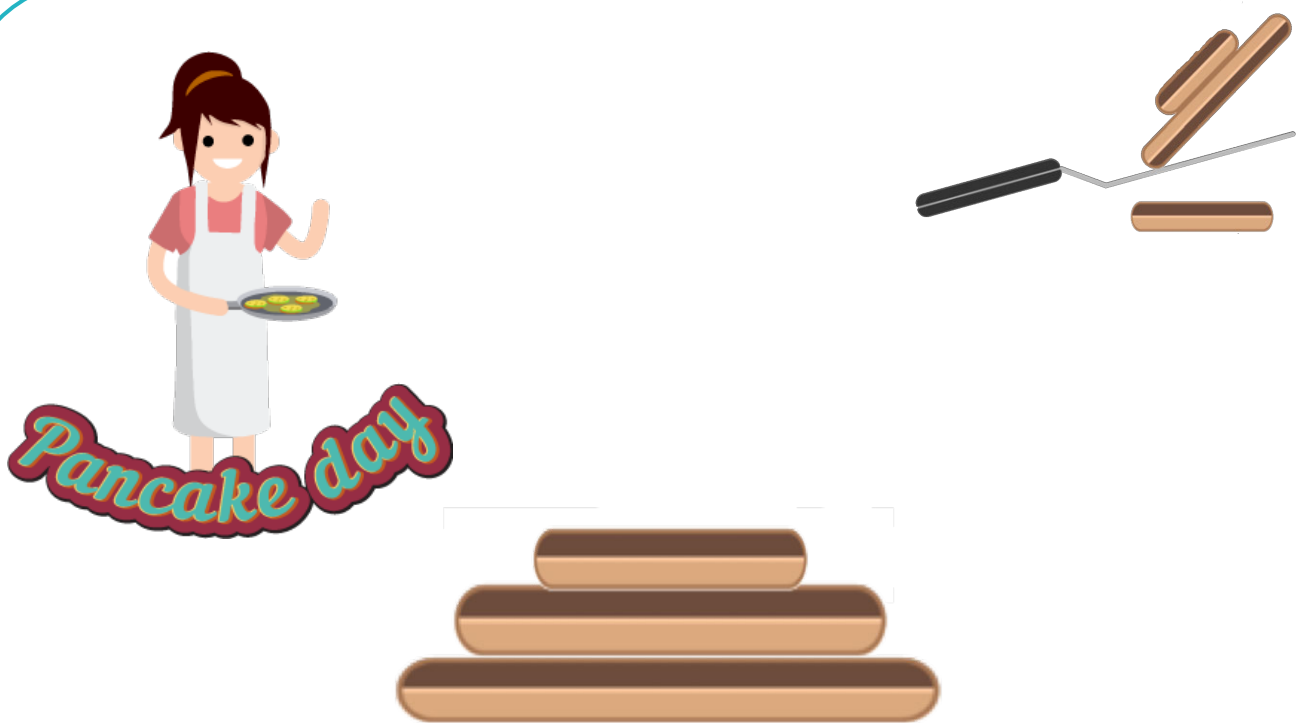


# Computational Thinking

## Pancake Sorting

It's Pancake Day and Chef has a pile of pancakes and a spatula. The pancakes are all different sizes and Chef needs to order them: from smallest to biggest. The problem is, she can only perform one action; which is flip. This involves putting the spatula in the pile and flipping the whole pile above the spatula over.

What is the minimum number of flips that Chef needs to do to sort the pile from smallest pancake at the top to the biggest pancake at the bottom?



### Computational Thinking FACT:

Solutions to this problem are known as **sorting algorithms**: ways to systematically arrange a set of objects into an order.

This is a famous computational thinking problem and many famous people have had a go at solving it, including Bill Gates!