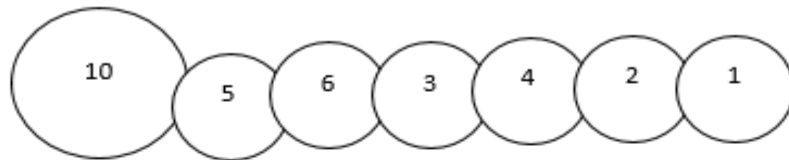


## Maths –Investigation week

This week you're going to be using lots of different maths skills to investigate different problem.

This is today's problem.

## Caterpillars



Caterpillars don't live beyond 100 years old.

A caterpillar age is written on the head. The body parts are made in the following way:

If the number is even, half it  
If the number is odd, add one

The pattern continues until you reach 1.

An age 10 caterpillar has 6 body parts.

What patterns do you notice with caterpillars with other ages?

How old is the longest caterpillar?

[illegible]

