...and repeat until you reach a loop!
create number
chains using the given rule. What do you notice? What do you wonder?


10
find two numbers with stopping biers

32
5

1
Mathematicians believe that if you start with any positive integer, you'll always end up in the loop of 4-2-1.

This is called the infamous


Even though every number that's ever been tried ends up in that loop, nobody is $100 \%$ sure that it's always true.

That's why despite all the attention, It's still just a conjecture.

