Name: _____

A solved problem.

The Problem.

If n is odd, add one. If n is even, divide by two. What happens?

I try a couple cases.

$14 \rightarrow 7 \rightarrow 8 \rightarrow 4 \rightarrow 2 \rightarrow 1$

$11 \rightarrow 12 \rightarrow 6 \rightarrow 3 \rightarrow 4 \rightarrow 2 \rightarrow 1$

You try a few cases.

$9 \rightarrow 10 \rightarrow 5 \rightarrow$

$15 \rightarrow$

$17 \rightarrow$

$33 \rightarrow$

$29 \rightarrow$

$119 \rightarrow$

$104 \rightarrow$

In general?