

Think of a number and follow these steps:

Think of a number	—
Add 3	— . . .
Double	— . . . — . . .
Add 4	— —
Halve	—
Take away the number you started with

Now try again starting with a different number.

Try again.

Try starting with a fraction... or decimal... or negative number...

Why are your answers ALWAYS the same?

Can you design instructions for similar "Think of a number" machines of your own?

Test them on a partner to check that they lead to your anticipated solutions.