

# Math Magic Trick

Pick a whole number between 1 and 10.

Add 2.

Multiply by 2.

Subtract 2.

Divide by 2.

Subtract your original number.

Your answer is...

# Math Magic Trick Challenge

Pick *any* number.

Add 2.

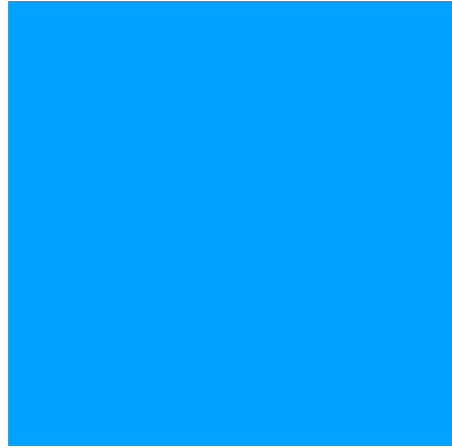
Multiply by 2.

Subtract 2.

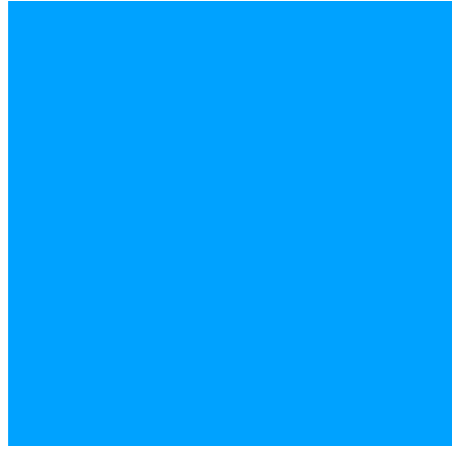
Divide by 2.

Subtract your original number.

Can you find a number so the final answer is NOT 1?



**Would a  
visualization help?**



**Pick a number**

147

**Pick a number**

147

**Add 2**

147



**Add 2**

147



**Multiply by 2**



147



**Multiply by 2**

147



147



**Subtract 2**

147



147



**Subtract 2**

147

147



**Divide by 2**

147

147



**Divide by 2**

147



147



**Divide by 2**

147



**Subtract  
your original  
number**

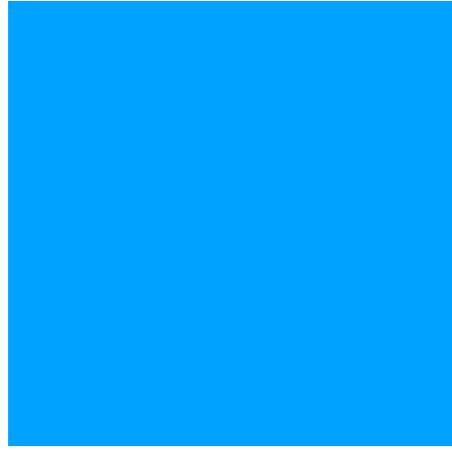


**Subtract  
your original  
number**





**The answer is 1!**



**Pick a number**

**-68.23**

**Pick a number**

**-68.23**

**Add 2**

-68.23



**Add 2**

-68.23



**Multiply by 2**

-68.23



**Multiply by 2**

-68.23



-68.23



-68.23



**Subtract 2**



-68.23



**Subtract 2**

-68.23

-68.23



**Divide by 2**

-68.23

-68.23



**Divide by 2**

-68.23



-68.23



**Divide by 2**

**-68.23**



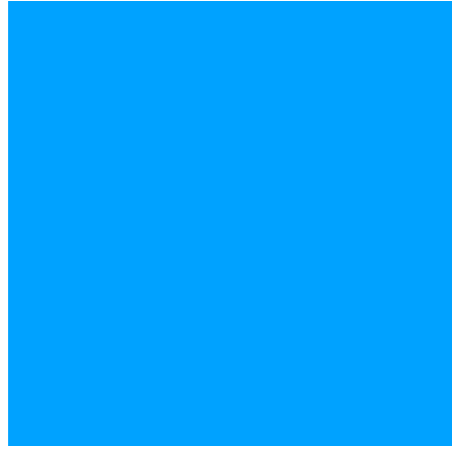
**Subtract  
your original  
number**



**Subtract  
your original  
number**



**The answer is 1!**



**Pick a number**



???

**(Or not)**

???

**Add 2**



**Add 2**



**Multiply by 2**



**Multiply by 2**





**Subtract 2**





**Subtract 2**





**Divide by 2**







**Divide by 2**



???



**Divide by 2**



???



**Subtract  
your original  
number**



**Subtract  
your original  
number**



**The answer is 1!**



**Does this convince you that  
the maths magic trick *ALWAYS*  
works?**