Number tricks

Generalising from number

Think of a number.

Add 3.

Double.

Add 4.

Halve.

Take away the number you started with.

What did you end up with?

Now try again starting with some different numbers.
Try starting with a fraction or decimal.
Why is the answer *always* the same?

Think of a number.

Add 4.

Double.

Subtract 7.

If you told me the result, how could I work out the number you started with?
Try again starting with a different number.
Can you explain what is happening to someone else?

Could you make up similar problems?

Number trick 1

Resource sheet

Think of a number.

Add 3.


* * *

Double.


* * *


* * *

Add 4.


* * * * *


* * * * *

Halve.


* * * * *

Take away the number you started with.

* * * * *

Number trick 2

Resource sheet

Think of a number.

Add 4.

* * * *

Double.

* * * *

* * * *

Subtract 7.

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