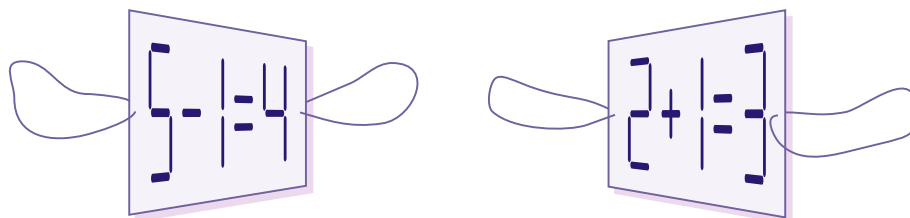


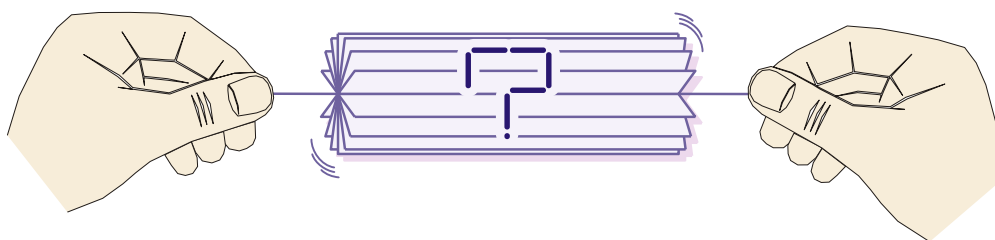
Treasure of Classic
and Modern Puzzles

Illusions

1



2



Turning Digits

by Peter Grabarchuk

To demonstrate this illusion make a simple device. Its two sides are shown in Figure 1. The pieces and the diagram how to produce the device are shown in the last page of this Print 'n' Play version.

Take the device in such a way that to hold the pieces of string between your fingers as shown in Figure 2. Now turn the pieces of string very quickly to make the rectangle turning.

How do you think, what image will you see instead of the question mark?

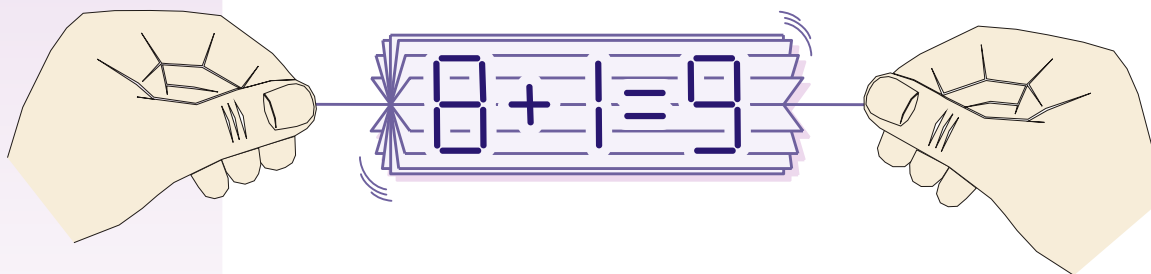
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Illusions



Turning Digits (explanation)

If you made everything properly the image that has to appear instead of the question mark is the equation $8+1=9$.

This type of illusions (and such devices) is famous enough and is based on the principle that your eye can keep an image for half a second after you have taken that image away.

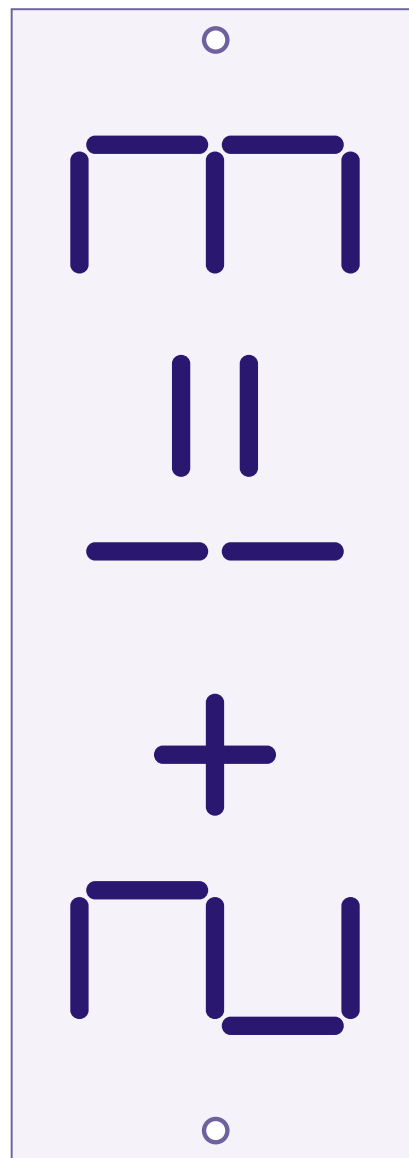
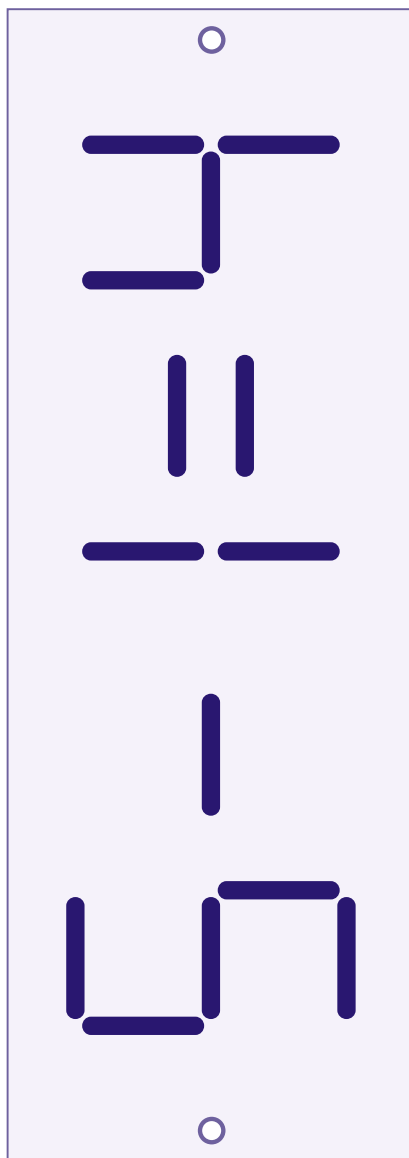
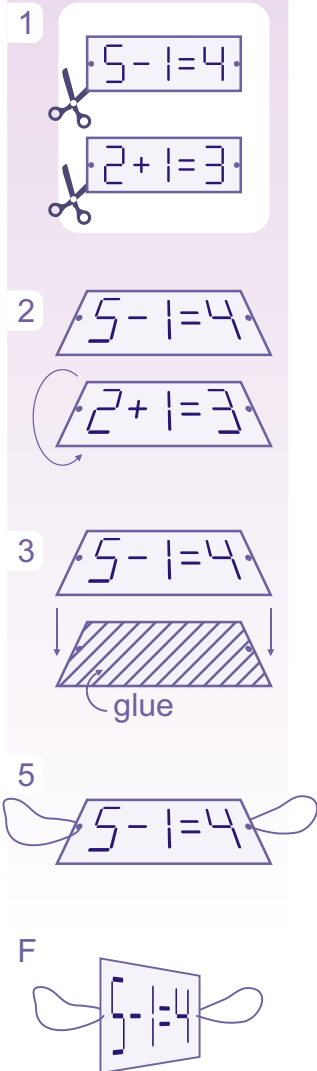
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Illusions



Turning Digits (pieces)

To produce the pieces first print them out. Then follow the diagram shown in the left column above - from step 1 to step F (finish).

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