

Tickling the Brain



Counting



Counting



Counting



Counting

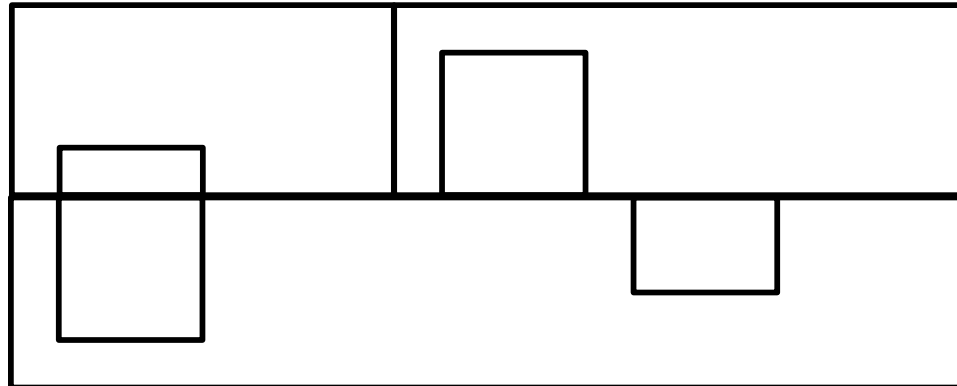


Counting

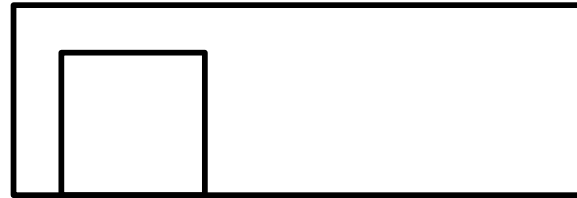
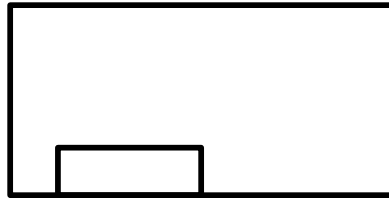
How?



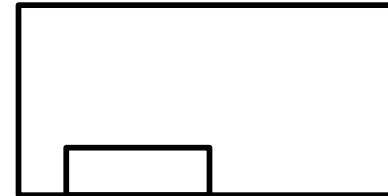
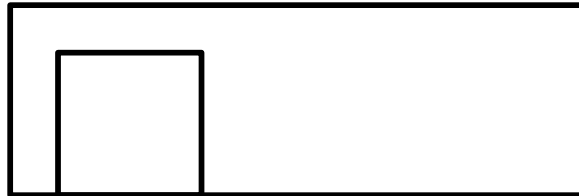
A modified example



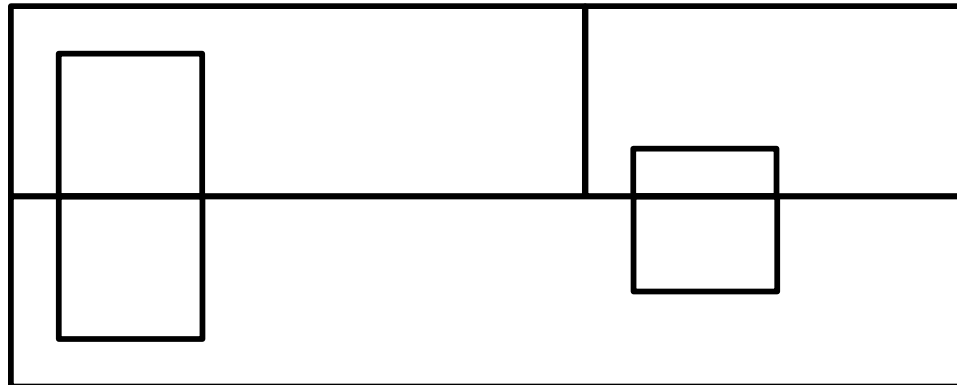
A modified example



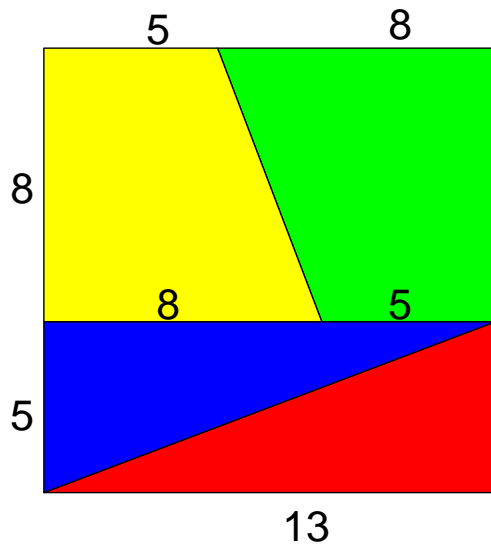
A modified example



A modified example

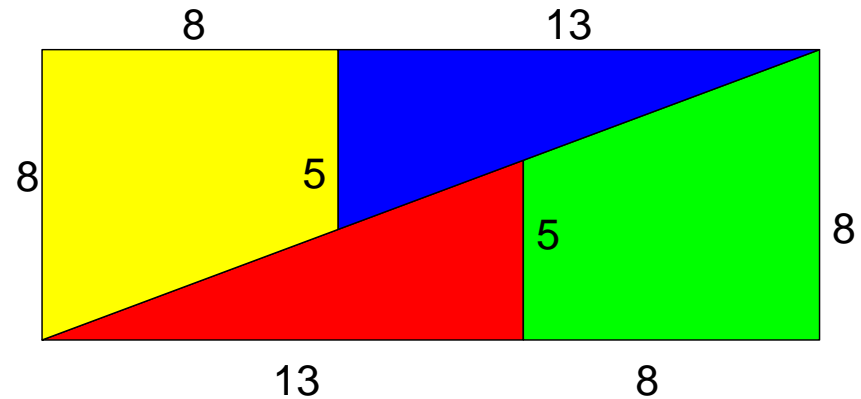


Another Puzzling Puzzle



Area

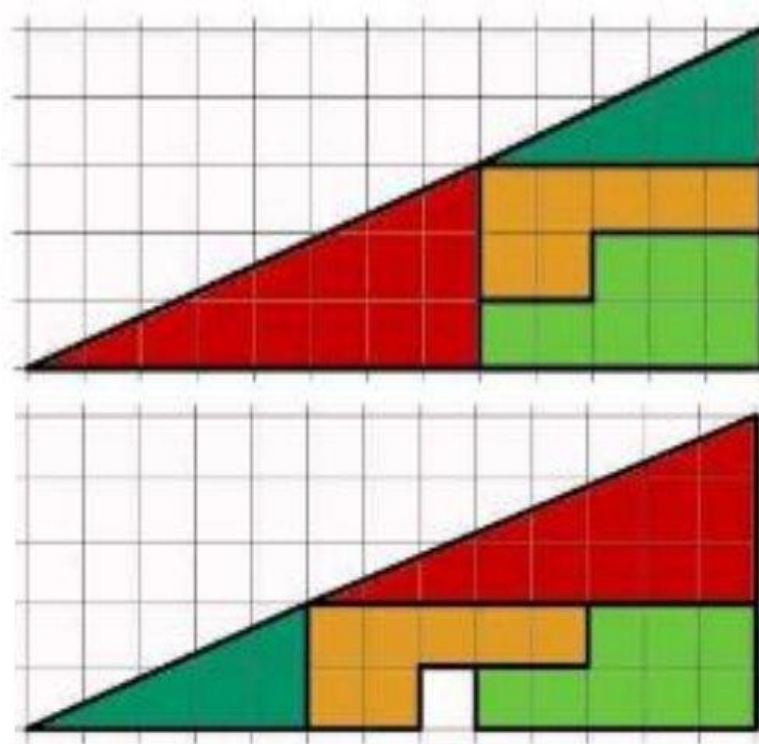
$$13 \times 13 = 169$$



Area

$$8 \times 21 = 168$$

A modified example



An Intelligence test

This problem can be solved by pre-school children in 5-10 minutes, by programmers - in 1 hour, by people with higher education... well, check it yourself! :)

$$8809=6$$

$$7111=0$$

$$2172=0$$

$$6666=4$$

$$1111=0$$

$$3213=0$$

$$7662=2$$

$$9313=1$$

$$0000=4$$

$$2222=0$$

$$3333=0$$

$$5555=0$$

$$8193=3$$

$$8096=5$$

$$7777=0$$

$$9999=4$$

$$7756=1$$

$$6855=3$$

$$9881=5$$

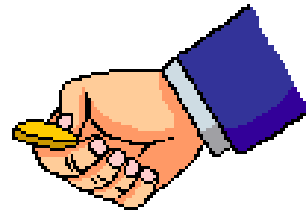
$$5531=0$$

$$2581=???$$

Operations Research

The Science of Better

And now some Totally Flipped Mathematics



H-T-H-H-H-T-H-T-T-T-H-T-H-T-H-T-T-T-T-H-H-T

What is the expected number of coin flips until we see T-H-H-T for the first time?