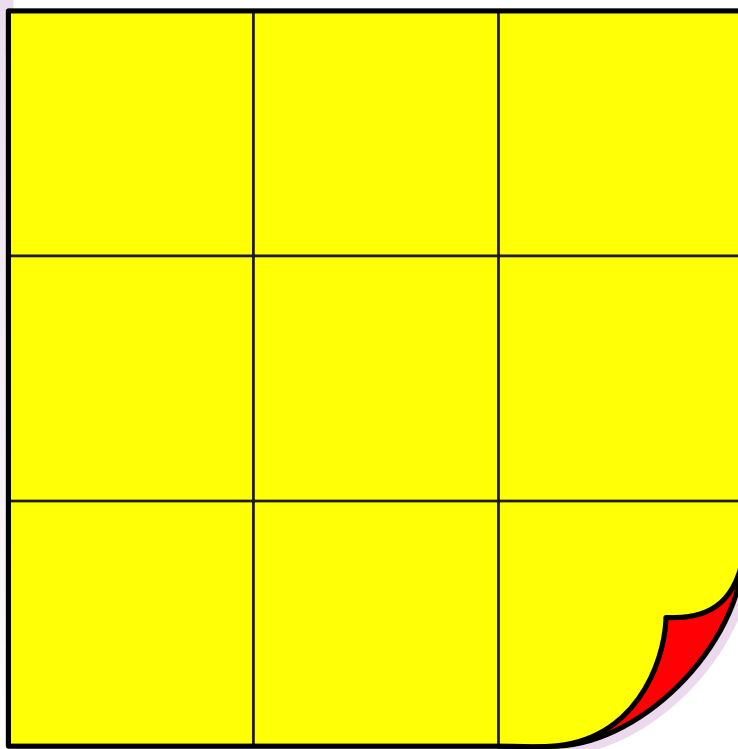


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## Folding Puzzles



### Square to Cube *after Martin Gardner*

Take a square piece of paper with one color on one side and another on the other. Now rule the square into nine squares as shown in the illustration. You may also use our prepared printable version of such a square.

The question is if it's possible by cutting only along the ruled lines, cut out from this square a pattern (it must be a single piece) that will fold along the ruled lines into a cube that has just one color on the outside?

No cuts or folds are allowed that are not along the ruled lines that divide the piece of paper into the squares.

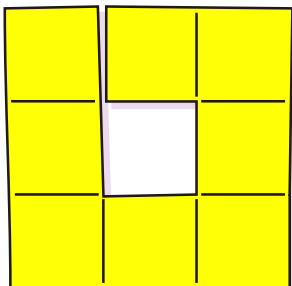
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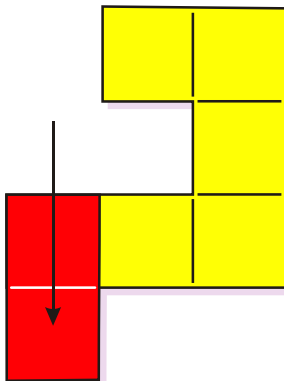
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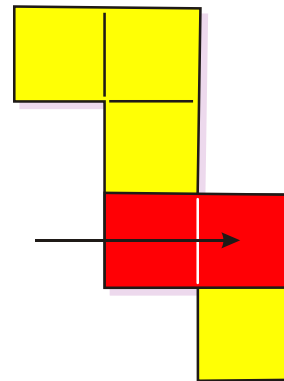
## Folding Puzzles



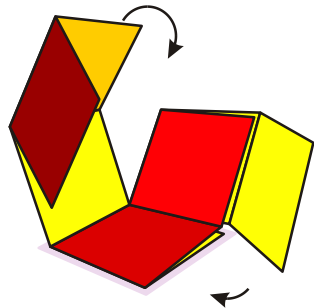
1



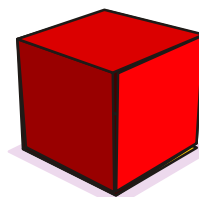
2



3



4



5

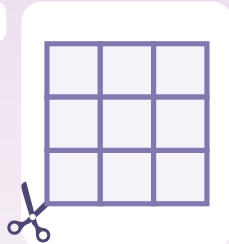
### Square to Cube (solution)

The entire folding is shown in the illustration.

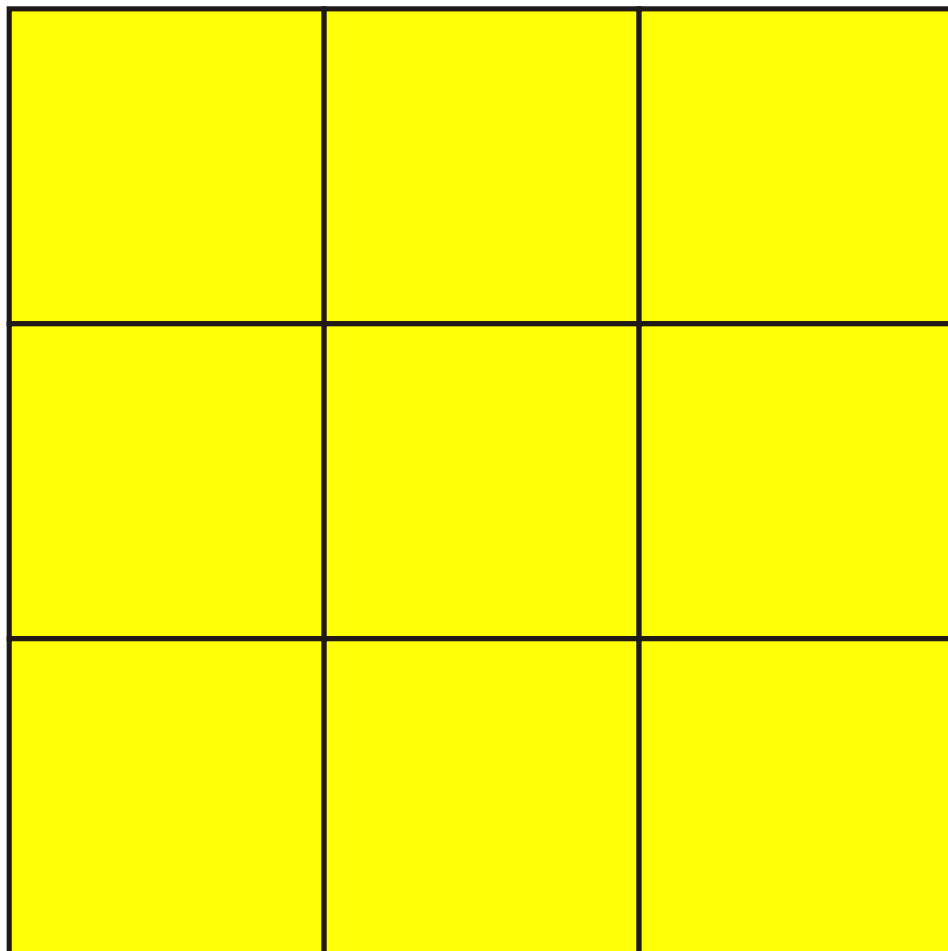
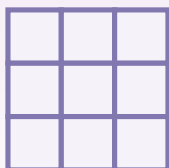
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## Folding Puzzles

1



F



### Square to Cube (pattern)

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

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