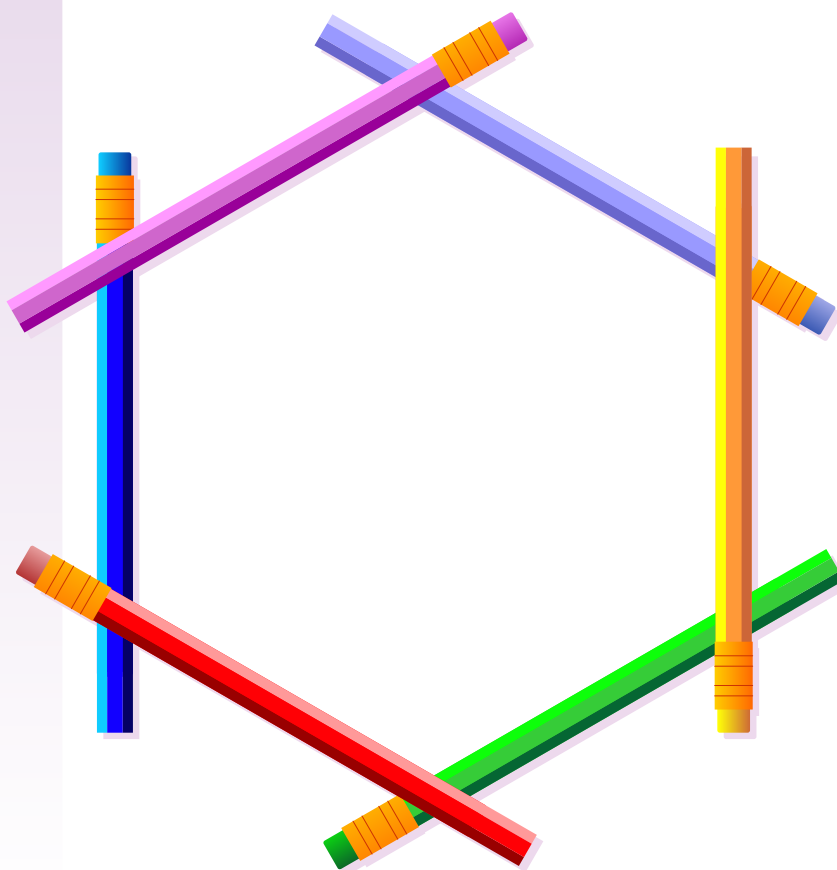


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The Six Pencils *after Henry E. Dudeney*

It's possible to place six pencils on the table in such a way that every one of them touches the other two - as shown in the illustration. Can you place the same six pencils on the table so that each pencil touches every other one?

Some readers of Martin Gardner's famous puzzle column in the Scientific American magazine discovered that this puzzle has a solution for seven pencils too. So, after you solve the challenge with six pencils, add to them one more pencil, and try to discover that incredible 7-pencil solution.

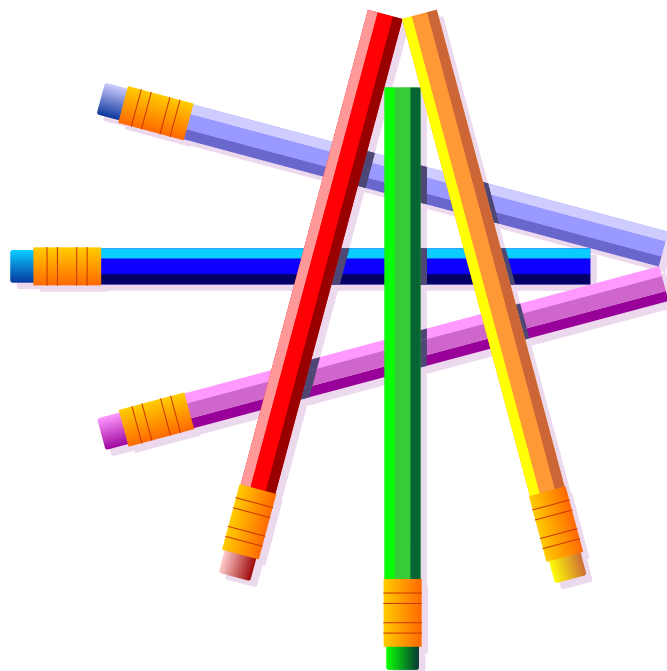
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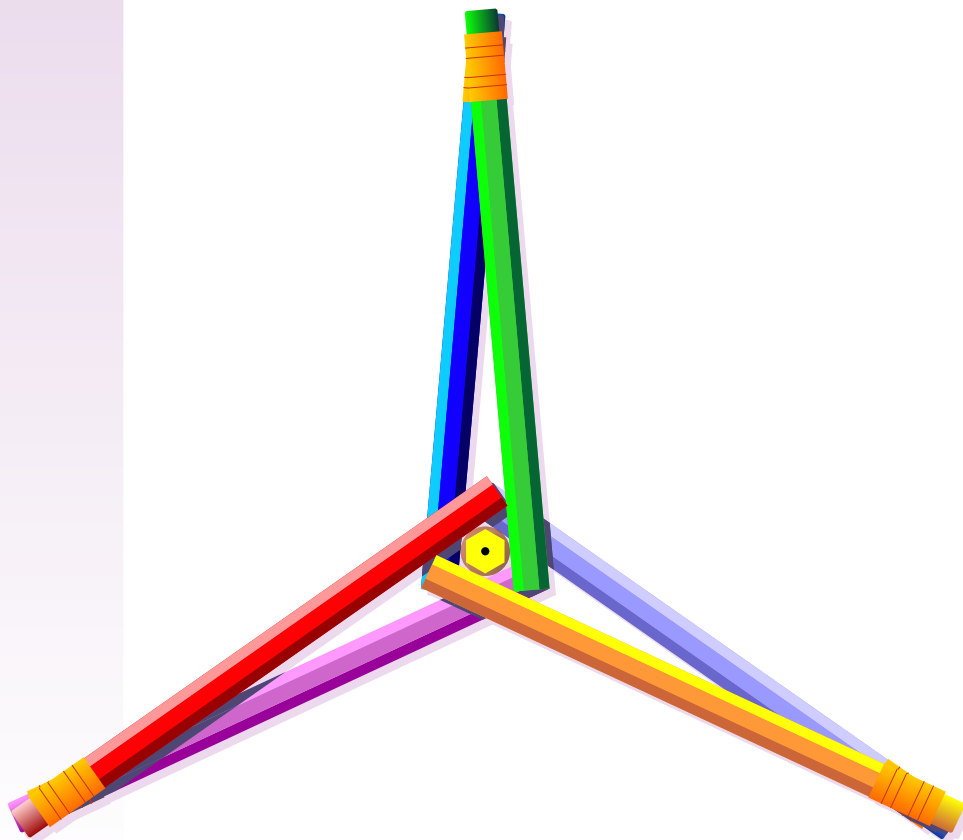


The Six Pencils (solution 1)

One of the 6-pencil solutions is shown in the illustration.

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The Six Pencils (solution 2)

The 7-pencil solution is shown in the illustration.