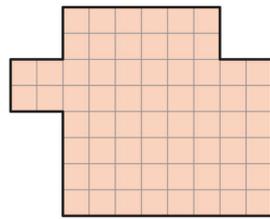
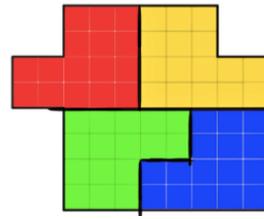


Mathletes Problem of the Week #19

Puzzlium

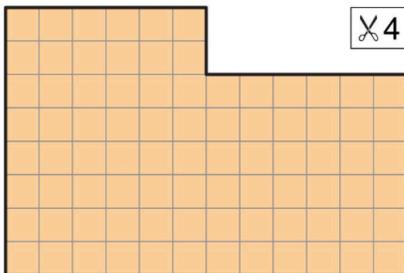


© Bram Cohen & Puzzlium



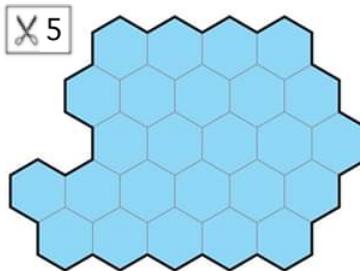
This week, try some spatial challenges from the folks at Puzzlium! Your goal is to try to cut each shape into identical parts as shown in the example above. Look carefully, because the identical parts might be rotated or flipped.

- First, try the 26 puzzles on the attached pages. There is one puzzle for each letter of the alphabet. The number of identical parts that are hiding in the shape will be written next to the shape.
- Try the larger challenges below.



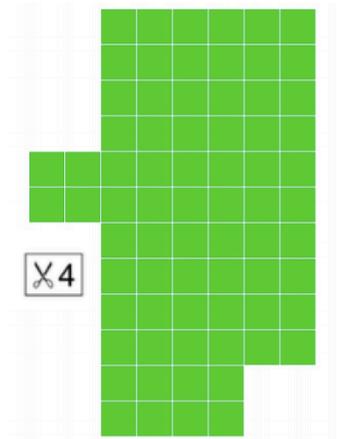
✂️ 4

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✂️ 5

© Tanya Grabarchuk



✂️ 4

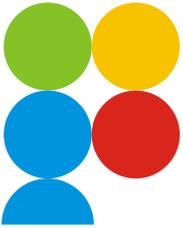
Solutions & Explanations: (Try one or try them all! Record your answers on the puzzle sheet. You can take a photo of your puzzle sheet if you want to share your solutions with your teacher.)

Name _____

Class _____

(First and last name, please!)

Solutions due: May 8th



Puzzlium Cut by Painting ABC

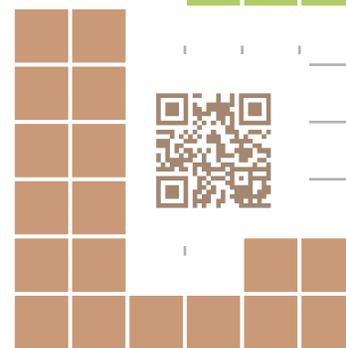
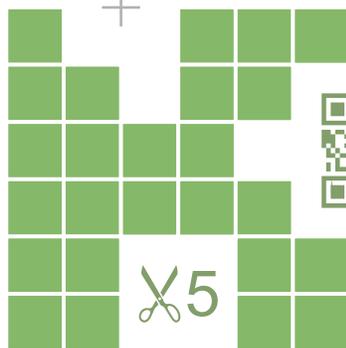
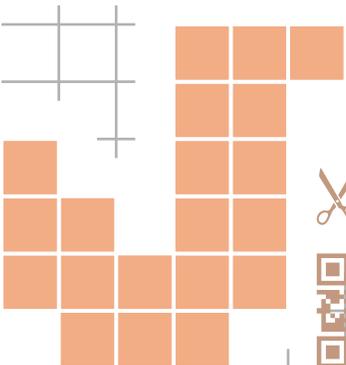
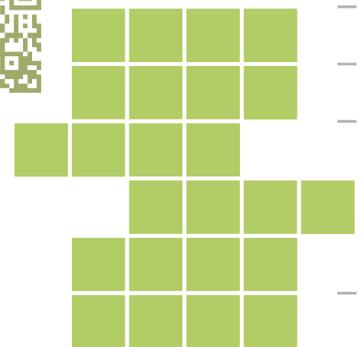
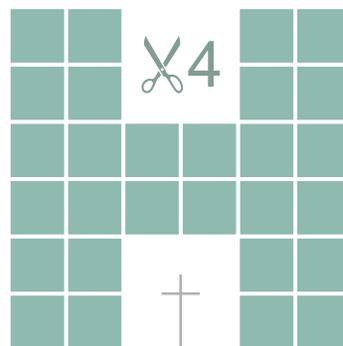
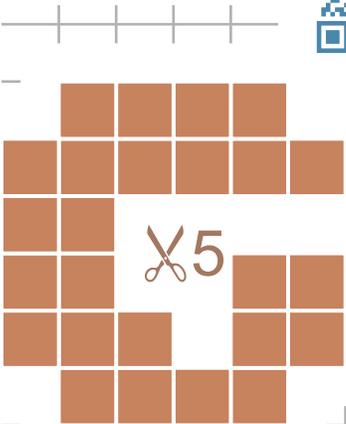
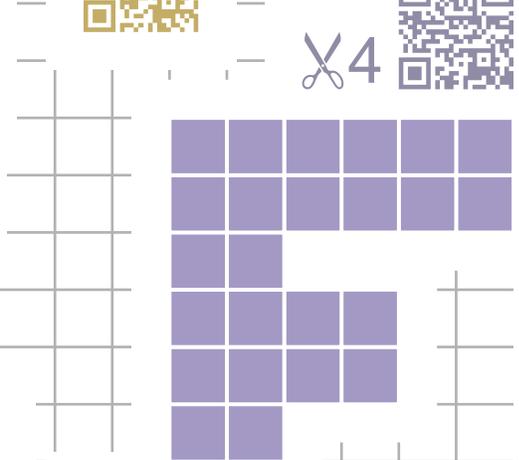
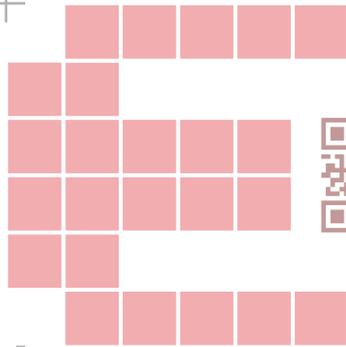
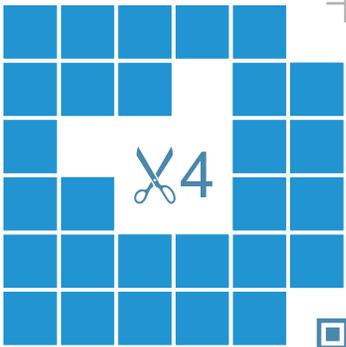
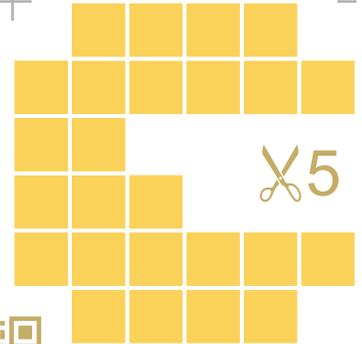
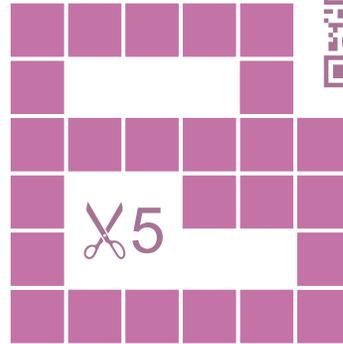
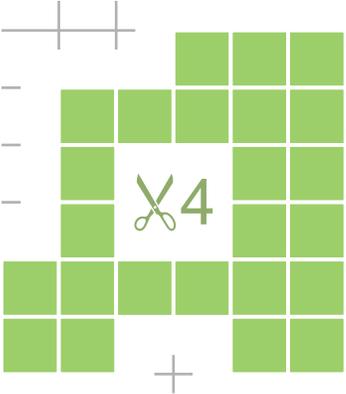


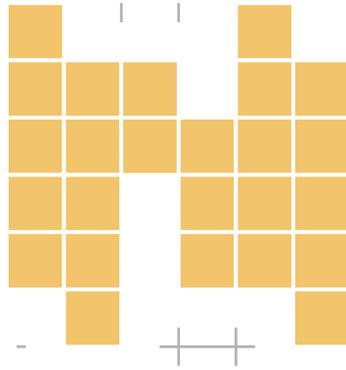
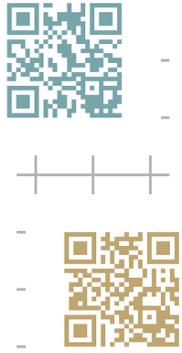
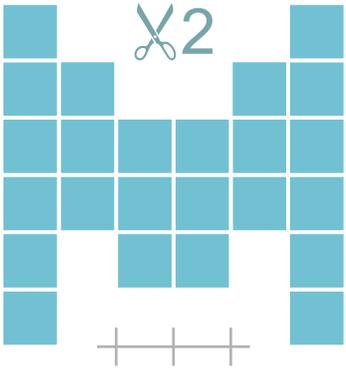
Gathering 4 Gardner.
PRESENTS
Celebration of Mind

For more activities, visit: www.CelebrationOfMind.org

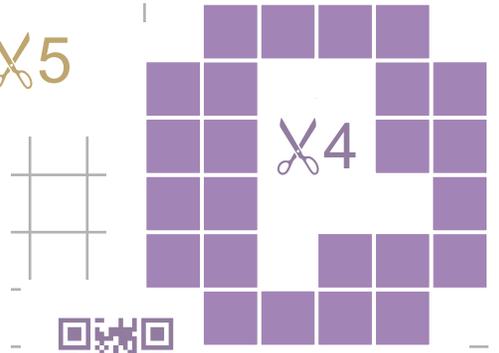
Cut each shape into identical parts. Their number is indicated next to scissors. Parts may be rotated and/or reflected. To play a puzzle directly in Puzzlium, scan its QR code.

This puzzle collection has been compiled by Puzzlium to celebrate a Centennial Jubilee of Martin Gardner at the Celebration of Mind events. Follow at puzzlium.com.

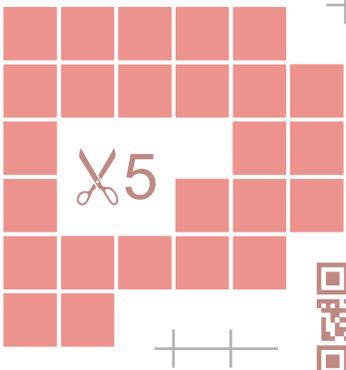




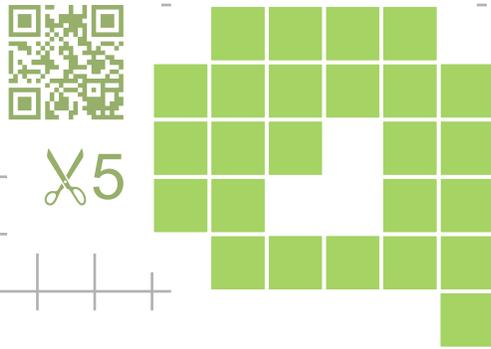
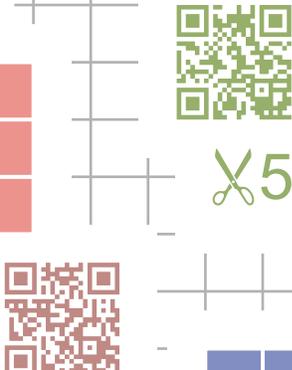
x5



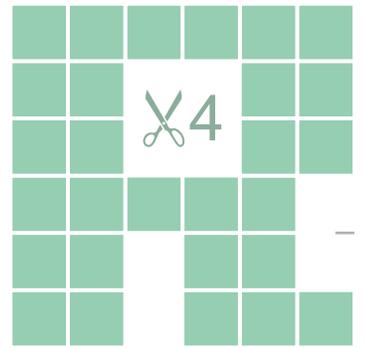
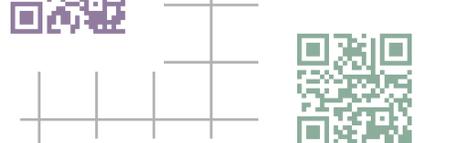
x4



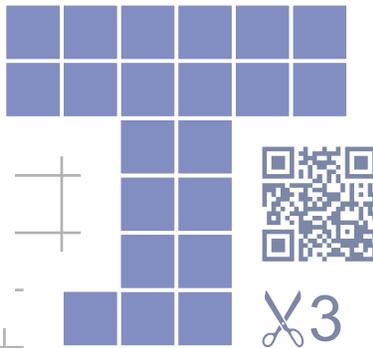
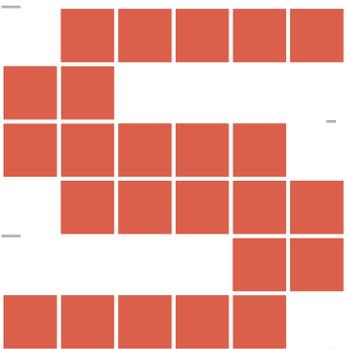
x5



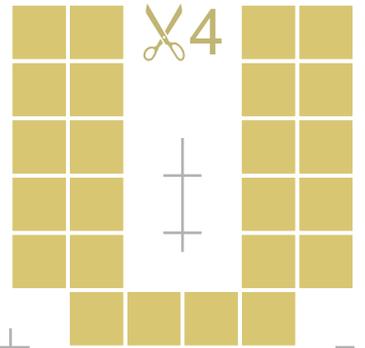
x5



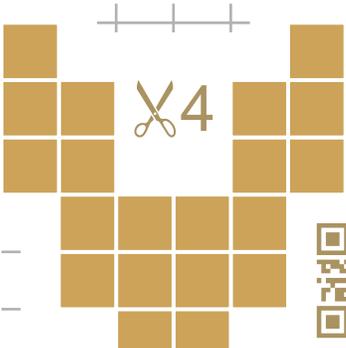
x4



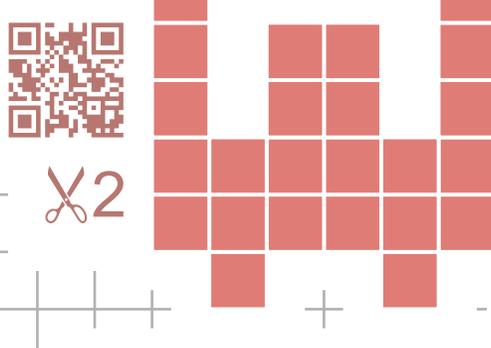
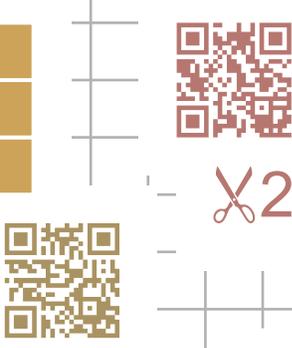
x3



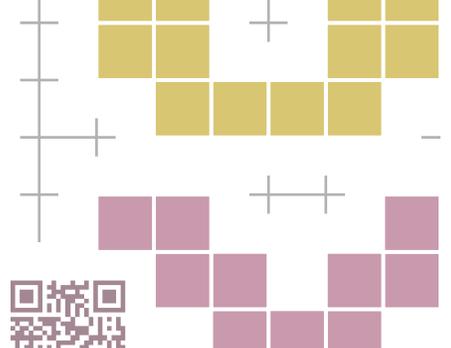
x4



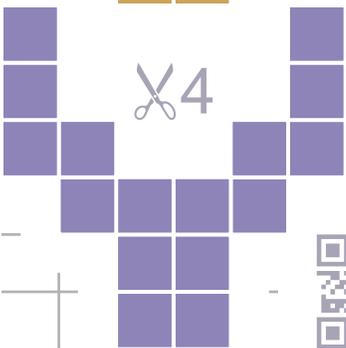
x4



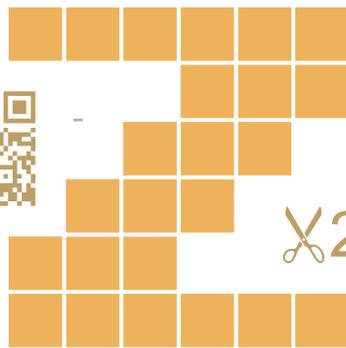
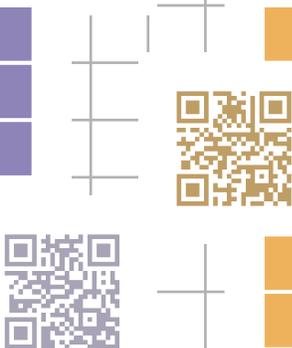
x2



x4



x4



x2



To play a puzzle directly in Puzzlium (appstore.com/puzzlium), you can scan its respective QR code.