

Storytelling Math celebrates children using math in their daily adventures as they play, build, and discover the world around them. Joyful stories and hands-on activities make it easy for kids and their grown-ups to explore everyday math together.

www.charlesbridge.com/storytellingmath

LIA & LUÍS Puzzled!

Math activities by Marlene Kliman, TERC



978-1-62354-322-8 HC
978-1-62354-323-5 PB
e-book available

About the Book

Lia and Luís receive a mysterious package from their grandma in Brazil. It's a puzzle with a secret message! The twins sort the pieces and try to put the puzzle together, but it's not as easy as it seems. Will they ever figure it out?

About the Math

As Lia and Luís piece together a jigsaw puzzle to reveal its secret message, they explore the math of spatial relationships. They compare characteristics of puzzle pieces, such as straight sides and bumpy knobs. They consider how various shapes and sizes fit together and rotate puzzle pieces in different ways. They also use strategies like sorting the pieces and assembling the edges of the puzzle first.

Assembling jigsaw puzzles is a wonderful way to develop spatial skills, which are important in math, science, and the visual arts. As you go about the day, look for opportunities to help children notice similarities and differences among shapes. Observing and describing objects encourages children to think like mathematicians, scientists, and artists!

Ximena Dominguez, PhD
Director of Early STEM Research, Digital Promise

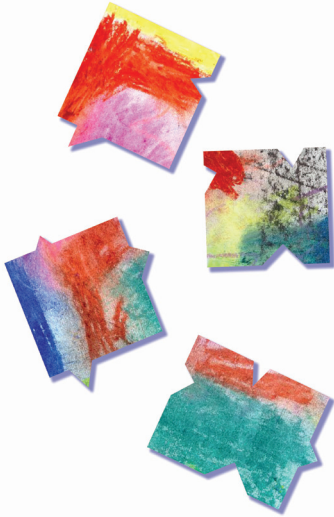
About the Author

Ana Crespo is the author of several picture books, including *Lia and Luís: Who Has More?*, winner of the Mathical Award. Originally from Brazil, she now lives in Colorado. www.anacrespobooks.com

About the Illustrator

Giovana Medeiros is the illustrator of *Lia and Luís: Who Has More?* and many other books. Born and raised in Brazil, she is now based in Lisbon, Portugal. www.giovanamedeiros.com



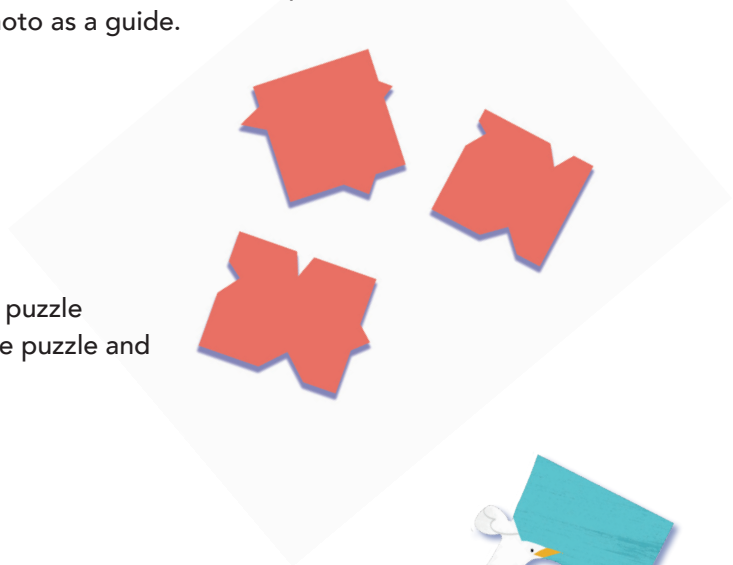


Make Your Own Puzzle

Print a blank puzzle for each child. Use the "Easy Puzzle Template," "Medium Puzzle Template," or "Hard Puzzle Template." Ask children to draw a colorful picture on the blank puzzle. Before cutting the puzzle apart, take a photo. Store each set of puzzle pieces in an envelope, along with a printout of the photo. Children can trade puzzles and assemble them, using the photo as a guide.

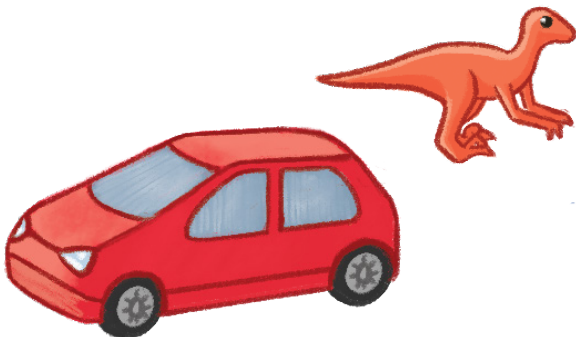
One-Color Puzzles

Up for a challenge? Print out one of the blank puzzle templates on colored printer paper. Cut up the puzzle and have children try to assemble it.



Solve Lia and Luís's Puzzle

Print and cut out "Lia and Luís's Puzzle." Invite children to use the pieces to follow along with Lia and Luís while they listen to the story.



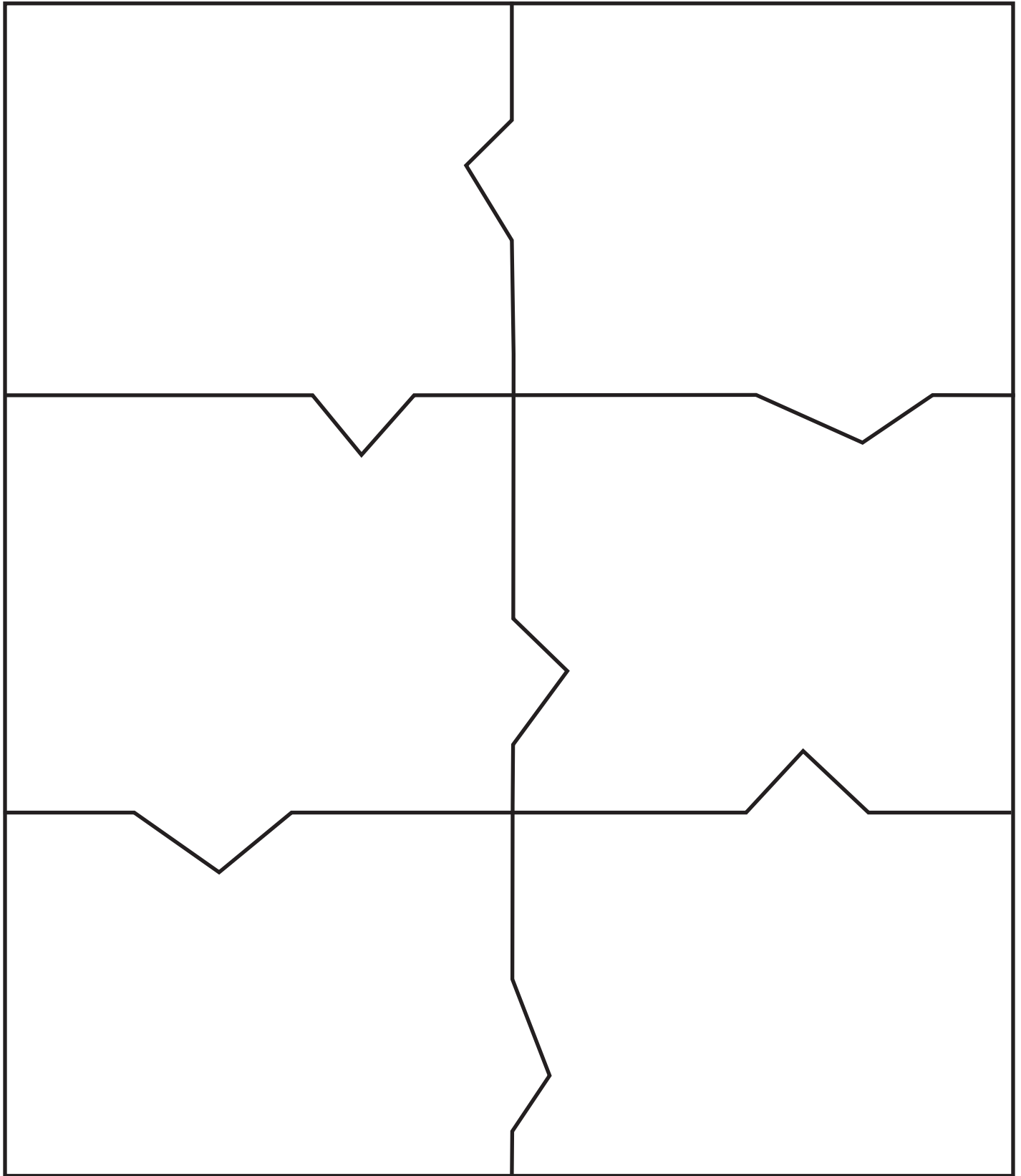
Same and Different

Choose two objects that everyone can pick up and hold, such as a toy dinosaur and a toy car. Take turns: each person says one way the objects are the same and one way they are different. Keep going until everyone has had a few turns.



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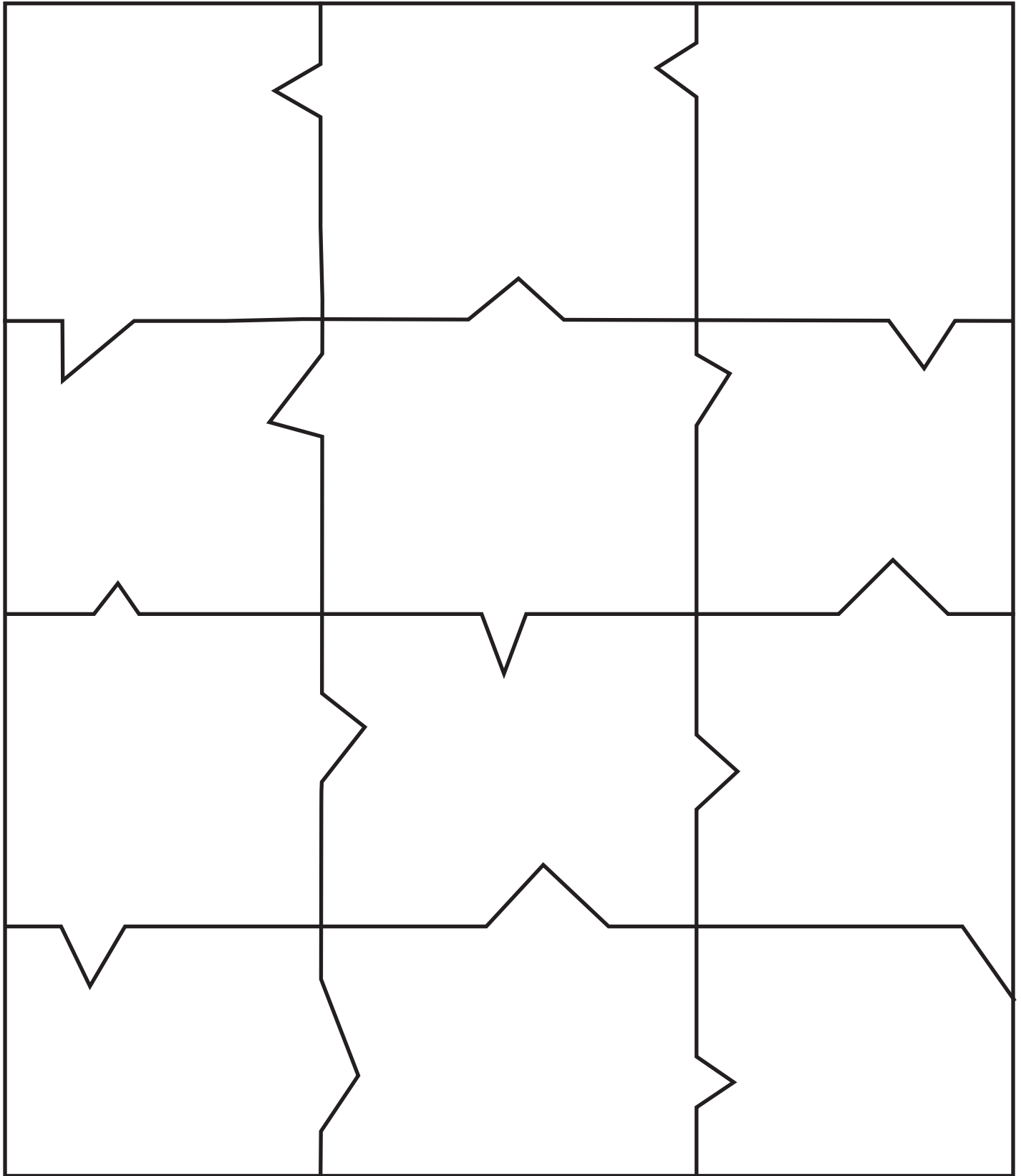
Easy Puzzle Template

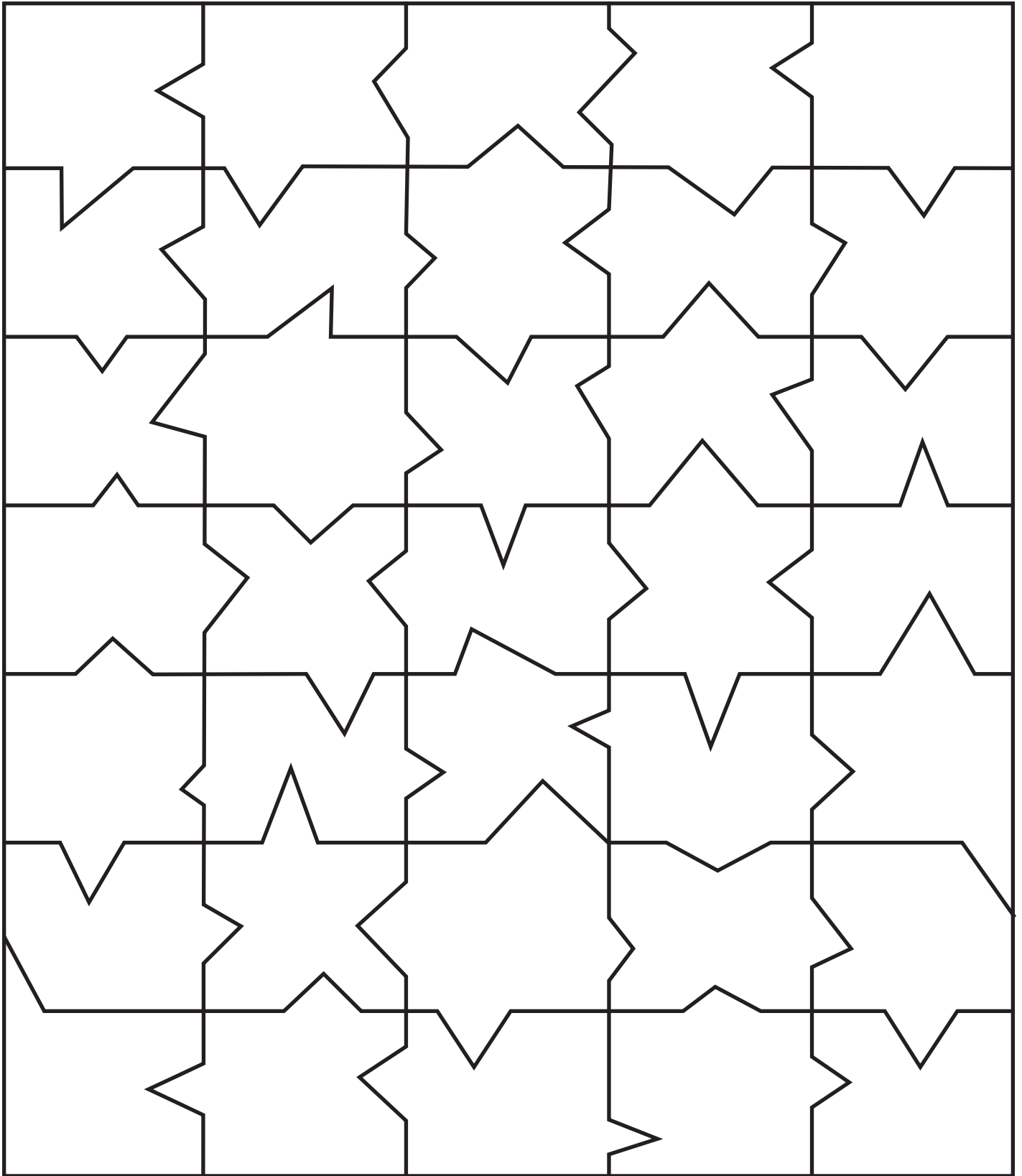




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Medium Puzzle Template





Lia & LUÍS

Puzzled!

Lia & Luís's Puzzle

