

# Count on me

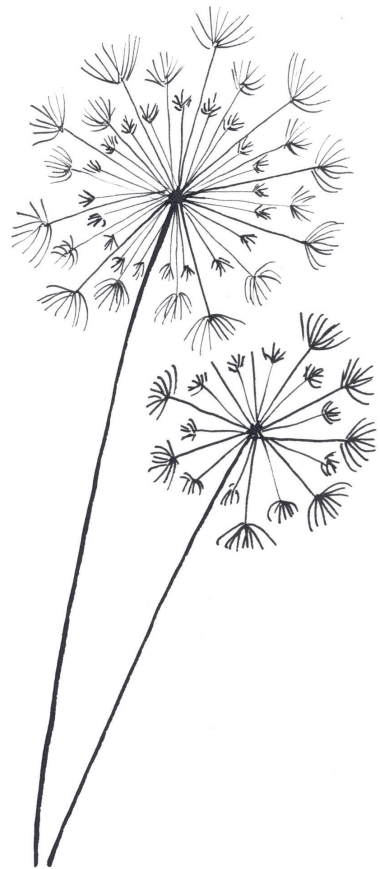
ACTIVITY KIT



# FRACTALS

A fractal is a never-ending pattern.

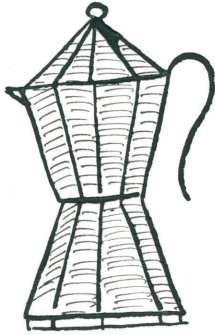
The patterns used in fractals can be different ~~sizes~~ sizes and directions and are used over and over to create an ongoing construction. There are a lot of fractals in nature, let's see if you can find some!



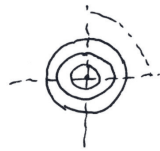
# BASIC POLYGONS



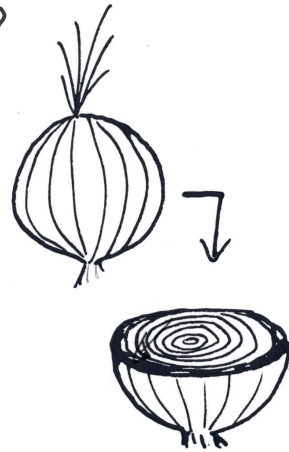
A polygon is a flat shape with straight sides that is fully closed. Polygons can have any number of sides. Can you find the polygons hidden in objects around your school or home?



## CONCENTRIC CIRCLES



Concentric circles are circles with a shared center, like the rings on a cut tree or the circles that form skipping stones in the lake. Can you draw something with concentric circles?



## TYPES OF CURVES



A curve is a line that isn't straight. A curve can be open, like a spiral, or closed, like a circle. Feel free to invent and draw new curves.



# SOLID FIGURES

Solid figures are shapes that are three-dimensional. Here are the names of some solid figure shapes, can you name and draw others?



Pyramid



Sphere

## TYPES OF TRAJECTORIES

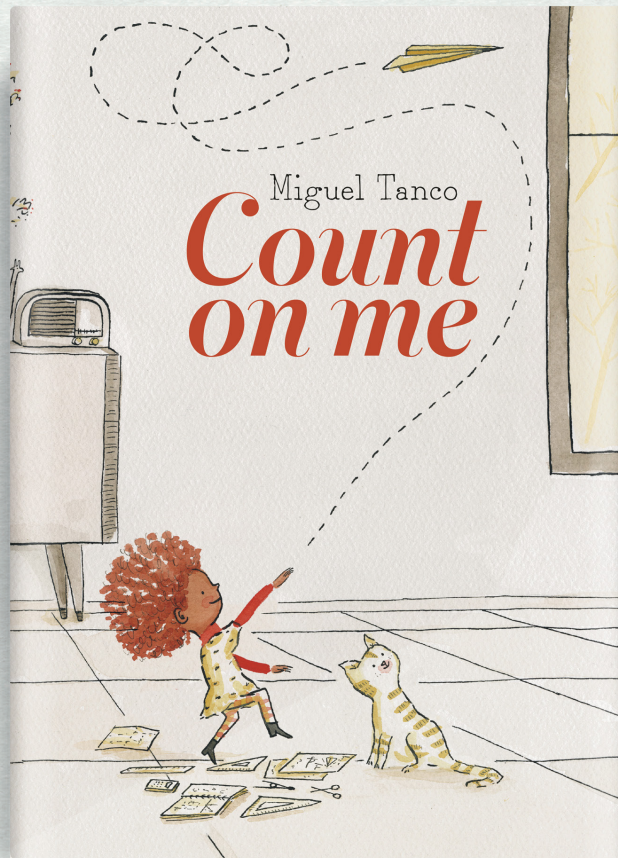
A trajectory is a curved path on which an object moves through space, like when a soccer ball is kicked or someone is on a swing. Can you predict and draw any other trajectories?



# KINDS OF SETS

A set is a group or a collection of things that have at least one common ~~characteristic~~ characteristic. They can be intersected, added and divided into smaller sets called sub-sets. Can you draw two sets of things and one subset that they might share?





Everyone has a passion. For some, it's music. For others, it's art. For our heroine, it's math. When she looks around the world, she sees math in all the beautiful things: the concentric circles a stone makes in a lake, the curve of a slide, the geometric shapes in the playground. Others don't understand her passion, but she doesn't mind. There are infinite ways to see the world. And through math is one of them.

This book is a gorgeous ode to something vital but rarely celebrated. In the eyes of this little girl, math takes its place alongside painting, drawing and song as a way to ponder the beauty of the world.

Award-winning artist MIGUEL TANCO is a children's book author and illustrator. He teaches illustration and organizes creative workshops in Spain, where he was born and raised, and in Italy. He has published over forty children's books, including *Great Dog*; *You and Me, Me and You*; and *The Story of Cyrano de Bergerac*. He lives in Milan with his wife, Federica, and their two sons, Pablo and Javier.

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