

40 Weeks of Math Challenges

Week 1



These visual math challenges have been created to intrigue and inspire your children. They are designed to be hands on, open-ended inquiries, to challenge them to think deeply about the world around them.

Each week a new set will be released with four levels.

- Preschool
- Years 1/2 (approx. age 6-8)
- Year 3/4 (approx ages 8-10)
- Year 5/6 (approx. ages 10-12)

I hope you enjoy exploring the ideas with your children! The challenges don't require any special resources, however your children will need a 'Math Journal' to record their discoveries. Any notebook will work, but if you can, try to encourage them to use a Grid book.

You are welcome to freely print these cards for your family but please respect our creative copyright and link back to the original file on our web page to share with others. Thanks, Jo

Sequence

Definition:

A particular order in which related things follow each other.

1. Look at the picture, what do you notice?
2. Can you tell me what will come next? How do you know?
3. Collect TWO different kinds of thing from outside. Maybe you will collect leaves and rocks or maybe you will choose something different. Use these items to create your own pattern like the one in my picture.
4. Share a photo of the pattern you have made.



Challenge 1

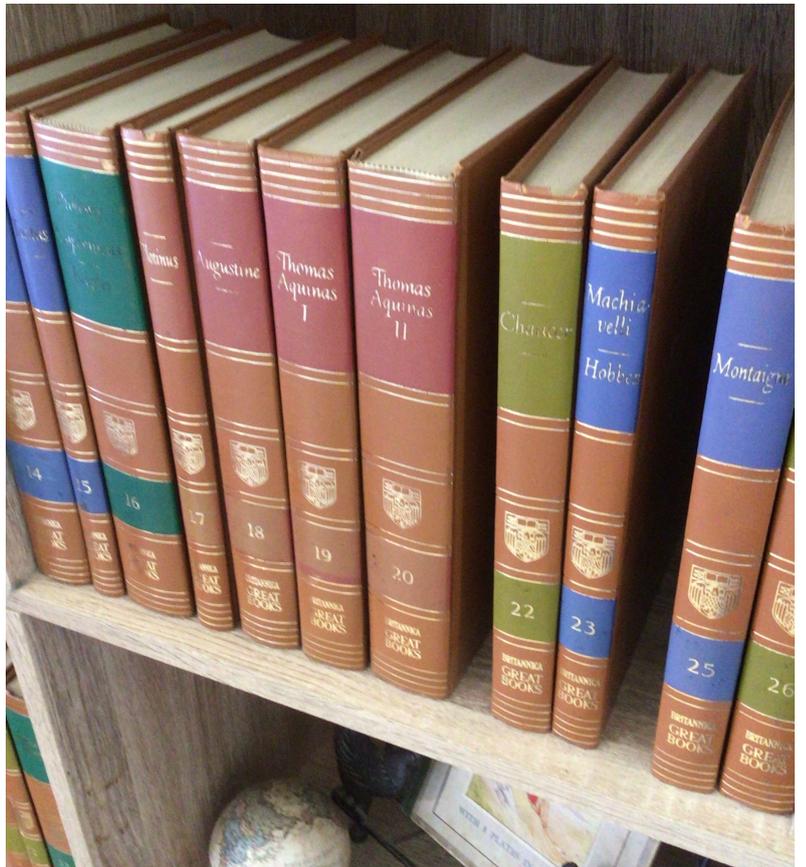
1/2

Sequence

Definition:

A particular order in which related things follow each other.

1. Look at the picture, what do you notice?
2. Can you tell me what books are missing? How do you know?
3. Look around you and see if you can find any number patterns.
4. Take a photo of any you find. Add them to your Math journal.

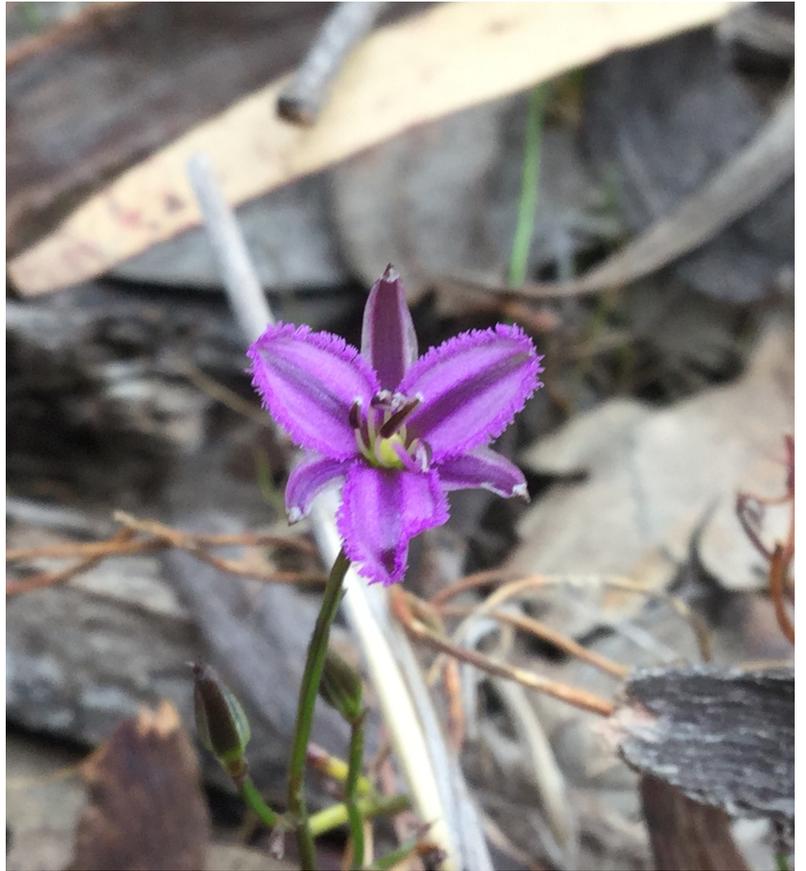


Sequence

Definition:

A particular order in which related things follow each other.

1. Look at the picture, what do you notice?
2. Can you describe a the pattern of petals that rotates around the centre?
3. Put a small circle on your page. Make a pattern around the circle.



Sequence

Definition:

A particular order in which related things follow each other.

1. Look at the picture, what do you notice?
2. This is an adult dragonfly. Research it's life cycle.
3. Describe and draw what you have discovered.
4. Chose another insect. Describe and draw it's life cycle. What is the same/what is different?

