

# 40 Weeks of Math Challenges

## Week 28



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

# Average

Definition:

Is the middle value in a set of data.

1. These reeds are taller than my daughter.
2. Do you know how tall you are? Measure how tall you are and write the measurement in your math journal, you can add it to the page 'All about me'.
3. Find out the average height of someone your age from the internet.
4. [https://www.rch.org.au/childgrowth/about\\_child\\_growth/Growth\\_charts/](https://www.rch.org.au/childgrowth/about_child_growth/Growth_charts/)
5. What do you think it means to be above average in height? Below average?



## Challenge 28

1/2

# Average

Definition:

Is the middle value in a set of data.

1. What are some averages that you have heard before? Have you heard of average rainfall? Or average temperature?
2. A Noisy Miner Bird will lay between 2 and 4 eggs at a time. Would you say this nest has an average amount of eggs? below average amount of eggs? or above average amount of eggs?
3. If you found another nest how many eggs would you guess it held?
4. Draw a nest with an above average amount of eggs in it. Draw a nest with a below average number of eggs.



# Average

Definition:

Is the middle value in a set of data.

1. These clouds are special types of clouds that form above mountains. They are called Lenticular clouds. Some are slightly higher and some are lower.
2. Can you predict the AVERAGE height of these clouds by drawing a line through the middle of them?
3. Look around and think of other things that you could find the average height of.
4. Take a photo, draw a line where you think the middle would be and add it to your journal.



## Challenge 28

5/6

# Average

Definition:

Is the middle value in a set of data.

1. Greenhood orchids flower from August to November. Some varieties are tiny, just 2cm tall, others are much bigger, like these ones which were almost 30cm tall!
2. Think of some ways that you could work out the average height of these Greenhood Orchids.
3. Take a look outside and find a plant that you can measure. Work out some averages for that plant. Write your data in your math journal.

