

# 40 Weeks of Math Challenges

## Week 5



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

# Time

Definition:

Is a measurement of how long something takes or when it happens.

1. Look at the picture, what do you notice?
2. Do you go to bed the same time each night?
3. Did you know that the sun sets at a different time each night. In winter the sun sets earlier than in summer. The days in summer are longer than the days in winter.
4. Find out what time the sun sets tonight. Ask if you can sit outside and watch the sun set!



# Time

Definition:

Is a measurement of how long something takes or when it happens.

1. How long would it take for a beetle to crawl across a leaf?
2. Different animals travel at different speeds. Research the fastest animals on earth.
3. Find a beetle and use a stopwatch to time how long it takes to crawl across a leaf.
4. Record your findings in your math book.

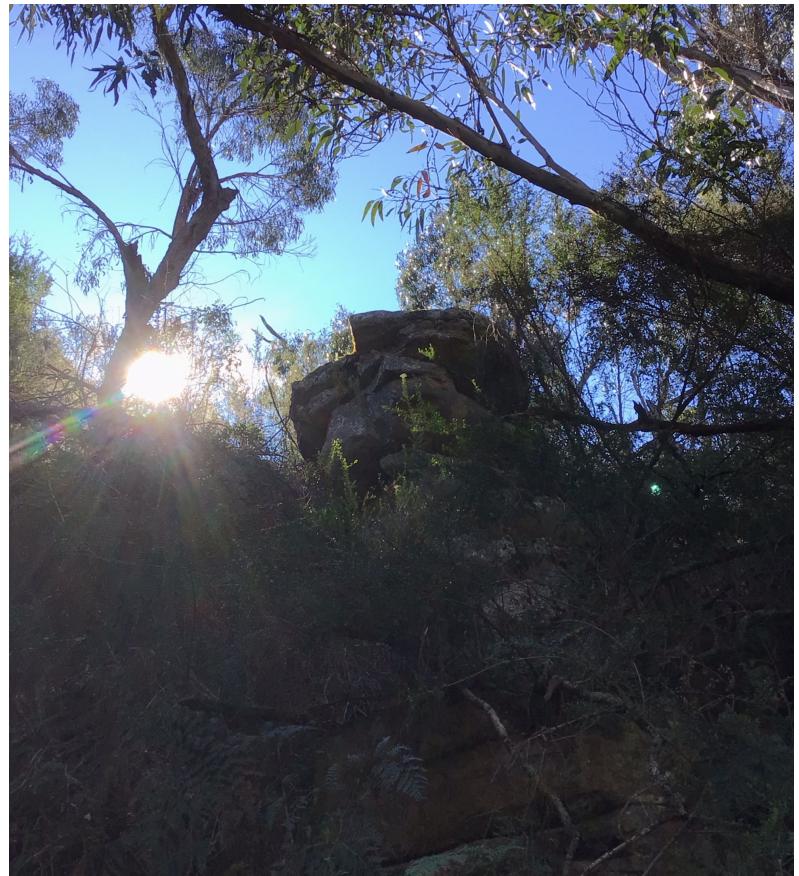


# Time

Definition:

Is a measurement of how long something takes or when it happens.

1. Look at the picture, what do you notice?
2. Each day the sun rises and sets at a different time.
3. Record the sunrise and sunset times for a whole week in your math journal. What do you notice? What do you wonder?



# Time

Definition:

Is a measurement of how long something takes or when it happens.

1. Take a stopwatch and time how long it takes for a leaf to float a certain distance along a stream.
2. If you don't live near a stream, you can choose to create your own time experiment. You might like to time how long it takes you to run down your driveway or how long you can hold your breath, you decide.
3. Write down your results in your math journal.

