

# 40 Weeks of Math Challenges

## Week 10



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.

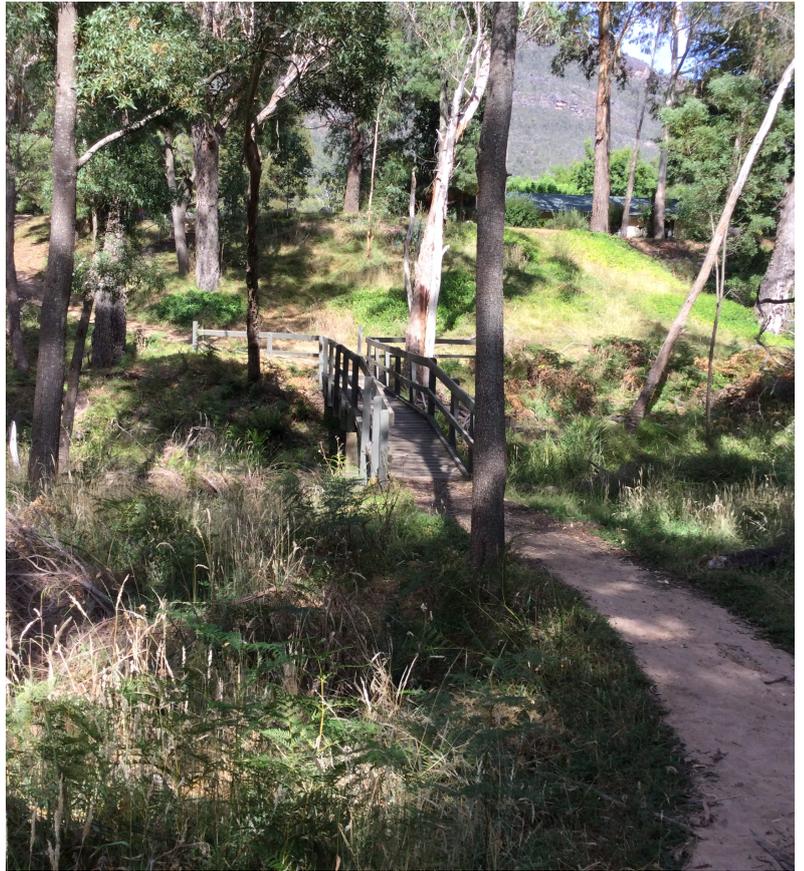
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# Length

Definition:

Is a measurement of how far it is from one point to another.

1. Can you see the bridge? How many step do you think it would take you to walk across the bridge?
2. Measure the length of things by counting your steps. How many steps across is your bedroom? How many steps is your driveway?
3. What other things could you measure with steps?



## Challenge 10

1/2

# Length

Definition:

Is a measurement of how far it is from one point to another.

1. To measure length we use units like the centimetre, metre and kilometre.
2. You would use metres to measure the length of this steel path and kilometres to measure the length of the whole bush walk.
3. Make a table in your math journal with centimetres, metres and kilometres as the titles. Add things that you would measure in each unit.
4. Example cm- my hand, metres- a tree, km- a road.



# Length

Definition:

Is a measurement of how far it is from one point to another.

1. Look at the picture, what do you notice? What do you wonder?
2. Make up your own math story with the information on this sign. Write it in your math journal.



## Challenge 10

# Length

Definition:

Is a measurement of how far it is from one point to another.

1. Look at the picture, what do you notice?
2. We have already looked at the area a wind turbine would need, now we are going to consider the length of the blade. Do some research and find out just how long the blades are.
3. Draw a picture, to scale, of a wind turbine in your math journal. You can learn how to do that [HERE](#)

