

40 Weeks of Math Challenges

Week 34



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

Chance

Definition:

The likelihood of something happening.

1. Look at the picture. What do you think will happen to these caterpillars?
2. Do you know the words 'likely', 'unlikely', 'certain' and 'impossible'? Use these words to make up sentences about the picture. Write them in your math book or get someone to write them for you. Here are some that I made up-
 - I am **certain** these caterpillars eat green leaves.
 - It is **likely** that they will become beautiful butterflies.
 - It is **impossible** that they will turn into elephants.
 - It is **unlikely** they will eat red flowers.



Challenge 34

1/2

Chance

Definition:

The likelihood of something happening.

1. I took this picture when we were searching for platypus. There was only a small chance we would actually spot them as they are very elusive!
2. Do you know the words 'likely', 'unlikely', 'certain' and 'impossible'? Use these words to make up sentences about the picture. Write them in your math book or get someone to write them for you. Here are some that I made up-
 - I am **certain** this photo was taking in the day.
 - It is **likely** there are fish swimming in the water
 - It is **impossible** a train will cross that bridge.
 - It is **unlikely** we will spot a platypus.



Chance

Definition:

The likelihood of something happening.

1. Look carefully at the picture, what can you discover?
2. Do you know the words 'likely', 'unlikely', 'certain' and 'impossible'? Use these words to make up sentences about the picture. Write them in your math book.
3. We use information to decide the likelihood of an event or chance of a statement being true.
4. What do think the is the likelihood of someone being able to climb to the top of these rocks? What things made you come to your decision?
5. Would you like to try to climb to the top?



Challenge 34

5/6

Chance

Definition:

The likelihood of something happening.

1. Look carefully at the picture, what can you discover?
2. What you you think is the chance of rain?
3. Mathematicians give a number to the likelihood of something happening. They might say there is 15% chance of rain today? What do you think they mean.
4. If the weather report said there was 95% chance of rain, would you expect to get wet? What about 10%? Why?
5. Research how weather reporters determine the chance of rain and write about what you discover in your math journal.



Chance

Definition:

The likelihood of something happening.

You might like watching this YouTube video by SciShow:

A dark blue rectangular graphic with white text. The text reads: "QQs: WHAT DOES A 50% CHANCE OF RAIN ACTUALLY MEAN?"