

40 Weeks of Math Challenges

Week 36



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

Temperature

Definition:

How we measure
how hot or cold it is.

1. Look at the picture, what do you notice?
2. Do you think it was a hot or cold day when this photo was taken?
3. Tell what kinds of clothes you would wear on a hot day. Tell what kinds of clothes you would wear on a cold day.
4. Draw a picture in your math book showing a hot day.



Challenge 36

1/2

Temperature

Definition:

How we measure
how hot or cold it is.

1. Place an ice cube outside on a plate, another inside on a plate and a third in the fridge on a plate. Which one do you think will melt the fastest?
2. Write down the order in which you think they will melt. Watch them and see if you are right.
3. If the temperature outside was below 0° Celsius, would that change your answer?



Temperature

Definition:

How we measure
how hot or cold it is.

1. Look at the picture, what do you notice?
2. If you had to write numbers on the lines in between the 0 and 10, and between 10 and twenty, what numbers would they be?
3. What was the temperature when I took this photo? Is that a cold, warm or hot day?
4. Draw a line where 15°C would be.



Temperature

Definition:

How we measure
how hot or cold it is.

1. Look at the picture, what do you notice?
2. Take time today to watch the change in temperature. Write down the temperature every hour for 6 hours.
3. After you have collected your data, make a graph of the change in temperature for the day.
4. You might like to collect temperatures for a week and graph that data also.

