

Holiday Maths

The holidays mean FUN! It's the perfect time for your children to learn (and grow their brains), explore and try new things. Try out some of the Math's activities below: Don't forget to encourage a Growth Mindset by praising EFFORT, discuss any STRATEGIES used, get children to JUSTIFY their thinking.

All the family:

- **Shopping task** – While at the shops get the children to keep a running total of the small shop, using estimates, by rounding to the nearest euro.
- Create a **poster**: *maths in the media*. See how many numbers from 1 to 100 you can find throughout the paper. Page numbers, dates, advertisements, sport stats. Cut out the numbers and paste them in sequence on a sheet of paper.
- **Stargazing** at night. At certain times of the year - august is a peak for Perseid Meteor showers - you can count the number of falling stars seen in a time interval, say 15 mins and compare it to another time interval. There may be websites that you can load this info to. Or you could post it on social media. You can look at the moon to see what phase it is in.
- Run a **lemonade stand**. Discuss/record costing, volumes, coin denominations, profit, savings, spending, charity
- Instead of playing "I spy" try "**guess if you can**": your child should think of a number between a stated range and others must guess. Ask questions like "is it less than 60? Is it an even number? Can you reach it by counting in 3's? etc.
- Copy down a **license plate number** as you are traveling in your car or walking down the street. Read the license plate as a number (excluding the year and the letters) For example for BDZ 3438 (A Northern Ireland plate) or 131 WD 3438 (a Republic of Ireland Plate) , the number would be three thousand four hundred and thirty-eight. Find a license plate number that is less than, more than or equal to that one.
- **License plate bingo**. You can prepare bingo cards before a journey. The numbers can be between 01 and 99. Appoint a bingo caller who will read numbers from license plates. The caller reads the last two digits on license plates of passing cars. (Each player can make up the bingo cards by hand choosing their own numbers, but there are websites that will generate bingo cards for you to print out.)

Teenagers:

- **Netflix**: [NOVA: Prediction by the numbers](#)
- Hannah Fry documentary [BBC Magic Numbers](#) on **youtube**
- **Youtube** video on [the brain's ability to grow](#)
- Developing a [Growth Mindset](#)



For more see www.mathsweek.ie