

WORLD MATHS DAY



Celebrating World Maths Day & Pi Day

Friday 12th March 2021

Dydd Gwener 12fed Mawrth 2021



World Maths Day

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- ▶ Since Pythagoreans created the word ‘mathematics’ in the 6th century BC, numbers have been a necessary, beneficial and challenging part of life
- ▶ Whether the actual crunching of numbers sounds exciting or repulsive, celebrating World Maths Day can be oodles of fun! Maths for many people feels hard because of its strictness in needing correct answers, its abstract concepts and the overall stress involved in succeeding. But don’t let that be intimidating!
- ▶ Rise to the challenge and enjoy maths accepting that sometimes you’ll get it wrong - that’s ok as long as you keep going and understand where you made a mistake and correct it
- ▶ World Maths Day is a great opportunity to practice your maths skills and have some fun as part of the worldwide event that celebrates the history of maths!



World Maths Day

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Maths is about much more than just addition, subtraction and other numbers on a page. In fact, maths (especially geometry) is often a necessary part of a variety of art projects. Spatial reasoning skills are necessary in both maths and art.



World Maths Day Competition

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Your challenge is to create some maths inspired art!

Whether you see yourself as the next Picasso, DiVinci or M.C. Escher or not, have a go at creating a piece of art on a piece of A4 plain paper.

Your artistic creation must be inspired by maths.
For example using shapes, lines or curves.

There will be prizes awarded to the top 5 entries and the judges decision will be final.



World Maths Day Competition

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How to enter:

- ▶ Create your masterpiece of maths inspired art on a plain sheet of A4 paper
- ▶ Write your name and form on the back of your art
- ▶ Hand your art to your maths teacher when in school during weeks commencing 15th and 22nd March
- ▶ Closing date for entries is:
 - ▶ Year 7: 3pm on Friday, 26th March
 - ▶ Year 8: 3pm on Thursday, 25th March
 - ▶ Year 9: 3pm on Wednesday, 24th March

We can't wait to see your 'maths art' - Good luck!

How else can you get involved with World Maths Day?



- ▶ You can access maths problems to try on many websites. Here are a few, some of which you're already aware of:
 - ▶ www.mymaths.co.uk (Username: monmouth Password: learning)
 - ▶ <http://www.mathster.com/challenge/> (Create your own challenge quiz from the UK Maths Challenge Generator. Use the Junior Maths Challenge for Key Stage 3)
 - ▶ <https://www.khanacademy.org/math> (Select a topic to review and have a go at the quizzes. Start from 4th or 5th Grade levels)

Go on have a go! 😊

Pi Day



- ▶ The 14th of March is known as Pi Day (03/14 if using the American date system)
- ▶ This year the 14th March falls on a Sunday
- ▶ One of the things we would love you to try is an experiment to calculate the value of Pi (π) by dropping cocktail sticks or similar objects on to a grid of parallel lines and recording how many times the sticks land crossing a line (Buffon's Needle Experiment)
- ▶ Students all over the UK will take part in this



How to conduct your experiment

- ▶ Before you start you'll need the following equipment:
 - ▶ A sheet of paper
 - ▶ A pen or pencil
 - ▶ A ruler
 - ▶ Large supply of cocktail sticks or matches (at least 35)
- ▶ Watch the short instructions video below before conducting your own experiment

[Buffon's Needle Experiment - UKMT Pi Week - YouTube](#)

How to upload your results



- ▶ UK Maths Trust are collecting results from all over the UK
- ▶ You can put your results into their Google Form by clicking on the link below (Deadline to enter results is 17th March)

[PI Week \(google.com\)](#)

- ▶ We'd love to see some pictures of your experiments, maybe just after you've dropped your sticks/matches or during the counting process
- ▶ You can share your pictures via Twitter [@MCSmathematics](#)

More information about Pi



- ▶ For more information on Pi look for UK Maths Trust on Twitter, Facebook and YouTube:
 - ▶ <https://twitter.com/UKMathsTrust>
 - ▶ <https://www.facebook.com/UKMathsTrust/>
 - ▶ https://www.youtube.com/channel/UCz_D5xFMlpO5G7qTXlmNCLQ/featured
- ▶ Or why not visit the Pi Day website:
 - ▶ <https://www.piday.org/>

World Maths Day & Pi Day

We hope you have fun celebrating
World Maths Day and Pi Day 2021

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