



Mathematics, Art, and Creativity

On 14 March, the International Day of Mathematics will be celebrated worldwide

(05.03.2025, Paris). On 14 March, the International Day of Mathematics (IDM), proclaimed by UNESCO, will be held under the theme *“Mathematics, Art, and Creativity”*. The 2025 theme celebrates the creativity found in mathematical discovery and art. Using mathematics in art opens doors to new ideas and beautiful and captivating creations.

Organized by the International Mathematical Union, the IDM includes a mixture of virtual and face-to-face celebrations in 2025, including celebrations in classrooms and an international school pairing program. Year after year, IDM is celebrated in more than 90 countries, and individual events are added to the IDM map until the end of March¹. Half of the world will be able to observe a lunar eclipse on March 14 and discuss the mathematics of eclipses.

“The theme of 2025, “Mathematics, Art, and Creativity” gathers the most important human features that separate us from other living creatures. Since we exist, Mathematics and Art, hand in hand, have contributed to the development of humanity. Our creativity is challenged today by our own creations, and we have to invest more in Mathematics and Art to keep human creativity alive,” says Betül Tanbay, mathematician and chair of the IDM.

“Mathematics, art, and nature share a common language—one of shapes, rhythms, and balance. Through dance, I draw in space as one would trace lines on paper, seeking to reveal the hidden harmony that connects the geometry of the body to that of the world,” says Sadeck Berrabah, a visionary dancer and choreographer known for his exploration of geometry in movement.

“At the root of every human being is a pure desire for beauty, communication, and understanding. It is what sets us apart from other creatures, and what makes our lives meaningful to us. Through the power of our creativity, we have, over millennia, perfected the languages of mathematics and art, so that they can work together towards those ends. Their worlds are inherently tied, sometimes on a superficial level, sometimes at their core. In Bach’s music, and especially in his Art of Fugue, his unfinished last work, this happens in the most seamless way imaginable. In a single work, we find poetry, emotion, logic, form, and an innate sense for symmetry and mathematical structures. I hope that, on this Day of Mathematics, many can be inspired to listen to this “Music of the Spheres”, and reflect on its connections to all other arts and sciences,” says Filippo Gorini, pianist.

The flagship event of IDM 2025 is the school pairing program for schools of the Global South sponsored by the Simons Foundation. It takes place in four languages: English, French, Portuguese, and Spanish. For several weeks before or around the IDM, schools work on

¹ Browse the map on www.idm314.org

artistic tilings, artistic polyhedra, and the mathematics of eclipses, and they share experiences on WhatsApp groups.

Thousands of individuals, schools, and organizations are submitting a photo to the *Math You Can Touch 2025* Creative Challenge. The contributions will be made available on March 14 and remain in a public gallery accessible to all under a free and open license.

IDM 2025 is celebrated on all continents and more and more countries celebrate it in a recurrent fashion. All over the world, people are organizing festivities, and teachers celebrate in the classroom, for instance, through the creation of artistic tilings or discussion of the mathematics of eclipses. Celebrations take many forms: national and local competitions, conferences, exhibitions, and talks, organized by mathematical societies, research institutes, museums, schools, universities, etc.

On 14 March, 13:00-14:30 UTC, UNESCO, in collaboration with the IDM and the International Mathematical Union, is co-organizing the webinar "[Mathematics and Creativity in Art and Education](#)". [Registration](#) is open. The proposed virtual activity highlights artistic contributions by mathematicians, art inspired by mathematics, and ways of linking mathematics and art in the schools. French translation will be available.

The date of 14 March is already known as *Pi Day* and is celebrated in many countries around the world. It is named after the important number π , the ratio between the circumference and diameter of a circle, and approximately equal to 3.14. The IDM celebration expands Pi Day to include the whole spectrum of mathematics. Mathematical language and reasoning are accessible to everyone.

The IDM website is the main hub for the International Day of Mathematics:
www.idm314.org

It hosts information material for press and organizers (including logos and flyers in different languages) as well as [proposals for activities](#) related to the theme for everyone interested in hosting an event. All the official material provided through the website is under an open license, which means it can be freely shared, translated, and adapted.

Partners:

The **International Mathematical Union** (IMU) is an international non-governmental and non-profit scientific organization, with the purpose of promoting international cooperation in mathematics.

The IDM is communicated and supported by the IDM website, which is hosted by **IMAGINARY**, a non-profit organization that communicates modern mathematics.

Sponsors:

The **Klaus Tschira Foundation** (which supports natural sciences, mathematics, and computer science in Germany) sponsors the website and the IDM communications.

The **Simons Foundation** sponsors specific IDM activities in Africa and Latin America.

The **International Mathematical Union** supports IDM special activities.

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Pictures:

The logo and all pictures below can be used freely for articles about the International Day of Mathematics. Please find high-resolution versions via the “Download Link”. The pictures are from locally organized events (exhibitions, workshops, festivals) to celebrate mathematics.

Logo of the International Day of Mathematics: <https://www.idm314.org/logos.html>

Press Kit page with images and press releases: https://www.idm314.org/press_kit.html



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