

# Celebrate 15 years of World Maths Day. The World's Largest Online Maths Competition.

## PARENT PACK

Warm up period: 9th March  
World Maths Day: 23rd March





# Welcome!

This guide is designed to give you and your child a little bit of background to the event, as well as some hints and tips on how to get the most out of it.

## Contents:

- About **World Maths Day**
- Preparing for **World Maths Day**
- Taking the learning further
- 7 essential tips for **World Maths Day**
- On the day
- Certificate



# About

**World Maths Day** is a global celebration of learning that has been uniting students around the world with the wonder of numbers since 2007.



## The Numbers:

# 10m +

World Maths Day participants

# 160 +

Countries

# 1b +

Maths questions answered

## The History:

## 2007

Inaugural **World Maths Day** Event takes place with students from 98 countries taking part in the online event

## 2009

1.9 million students take part in **World Maths Day**

## 2010

500 million maths questions answered during **World Maths Day**

## 2011

**World Maths Day** sets the world record for the largest online maths competition

## 2012

5.9 million students register for 3P Learning's inaugural World Education Games, headlined by **World Maths Day**

## 2015

Participants from over 150 countries take part in **World Maths Day**

## 2019

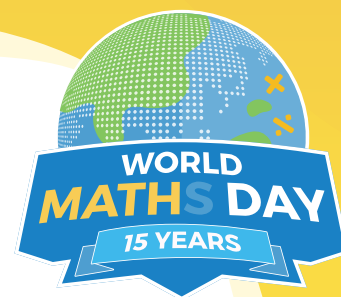
Students take to Twitter to showcase their 'dress like a mathlete' costumes for **World Maths Day**

## 2021

**Very first Champions Challenge** takes place



# Preparing for World Maths Day



Students looking to get the most out of **World Maths Day** should start by understanding Live Mathletics and the levels that they'll be doing on the day.

## What is Live Mathletics?

Live Mathletics is the official host platform for **World Maths Day**. Students race against the clock to answer as many questions as possible within the 60 second time limit. For each question students get correct they earn 1 point. There are 10 levels of difficulty in Live Mathletics. Students can select the level of difficulty for their next game from the number bar along the top of the Live Mathletics menu screen.

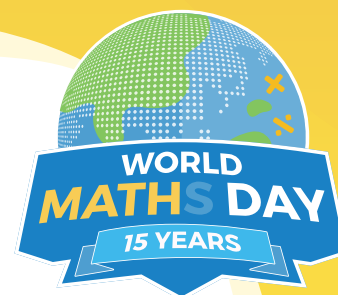


Students can complete up to 20 Live Mathletics levels to achieve their total **World Maths Day** score.

A student's current year/grade dictates the Live Mathletics levels that they'll need to complete. Below is a list of the year/grade levels and the corresponding levels that the students will complete during **World Maths Day**.

Year Group	Level 1 Games	Level 2 Games	Level 3 Games	Level 4 Games	Level 5 Games	Level 6 Games	Level 7 Games	Level 8 Games	Total
K	15	5							20
1	10	10							20
2	10	5	5						20
3	10	5	5						20
4	5	5	5	5					20
5	5	5	5	5					20
6	4	4	4	4	4				20
7	3	1	4	4	4	4			20
8	2	2		4	4	4	4		20
9+	1	3			4	4	4	4	20

# Preparing for World Maths Day



Each Live Mathletics level has a focus on specific areas of mathematics. Here is a basic breakdown of what areas are covered in each Live Mathletics level.

- |  |  |
|--|--|
| <p><b>LEVEL 1</b> Addition from 1 - 10<br/>Doubles up to 10</p>  | <p><b>LEVEL 7</b> Sum, difference, product and quotient<br/>Cubes<br/>Operations with integers<br/>Volume and capacity conversions<br/>Order of operations I<br/>The Cartesian plane I<br/>Equivalent fractions<br/>Ratios<br/>Volume of rectangular prisms I<br/>Area of plane shapes I</p>                 |
| <p><b>LEVEL 2</b> Addition from 1 - 20<br/>Subtraction from 1 - 20</p>   | <p><b>LEVEL 8</b> Statistical measures<br/>Simplifying algebra I<br/>Algebraic substitution I<br/>Order of operations II<br/>Terms in a sequence with decimals II<br/>Area and volume conversions<br/>Factoring I<br/>Volume of rectangular prisms II<br/>Area of plane shapes II<br/>Recurring decimals</p> |
| <p><b>LEVEL 3</b> Addition from 1 - 50<br/>Subtraction from 1 - 50<br/>2s, 3s, 4s, 5s and 10s Times Tables<br/>Doubles and halves up to 50<br/>Addition from 1 - 20 with a missing addend</p>  | <p><b>LEVEL 9</b> Algebraic substitution II<br/>Factoring II<br/>Order operation III<br/>Expanding brackets I<br/>Find the midpoint between two points<br/>Pythagorean triads<br/>The Cartesian Plane II<br/>Chance outcomes<br/>Simplifying algebra<br/>Scientific notation</p>                             |
| <p><b>LEVEL 4</b> Addition from 1 - 100<br/>Subtraction from 1 - 100<br/>Times Tables to 10 x 10<br/>Doubles and halves up to 100<br/>2s, 3s, 4s, 5s and 10s division facts<br/>Addition from 1 - 50 with a missing addend<br/>Times Tables to 10 x 10 with a missing factor</p>   | <p><b>LEVEL 10</b> Logarithms<br/>Solving equations<br/>Algebraic substitution III<br/>Expanding brackets I<br/>Expanding quadratics<br/>Factoring quadratics<br/>Surface area of cubes<br/>Percentage probability</p>   |
| <p><b>LEVEL 5</b> Addition from 1 - 500<br/>Subtraction from 1 - 100<br/>Addition from 1 to 100 with a missing addend<br/>All multiplication and division facts to 10 x 10<br/>Time conversions<br/>Length conversions</p>   |  |
| <p><b>LEVEL 6</b> Operations with decimals<br/>Calculations using brackets<br/>Simple percentages<br/>Converting mm, cm and m<br/>24 hour time<br/>Timetable calculations<br/>Fractions and decimals<br/>Percentages and decimals<br/>Terms in a sequence with decimals I<br/>Terms in a sequence with whole numbers</p> |  |



# Take the learning further

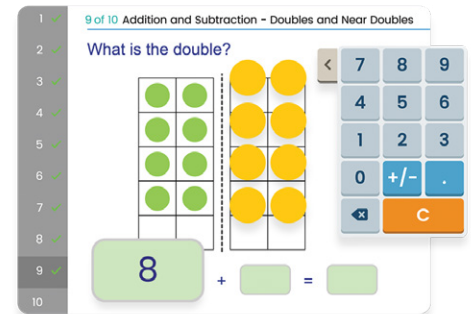
With Mathletics powering **World Maths Day**, students can use the entire platform to prepare for the event. Whether they're sharpening up on multiplication, eliminating divisional worries, or looking to mix things up with some contextual mathematics, Mathletics has all the resources and activities to get students ready for the big day.



Here is how Mathletics can provide additional help:

## Curriculum Activities

The core activities area in Mathletics gives students the ability to easily search for topics they need to freshen up on in preparation for **World Maths Day**.



## Printable Workbooks

Take the learning outside of the program with our printable workbooks. With over 1,000 of additional mathematics resources, there's plenty in there to keep the learning alive and reduce screen-time.

## Multiverse

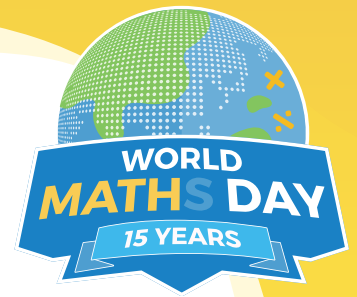
Set in a rich, animated story world, Multiverse is a multiplication fact fluency game where students take charge as space traders exploring new worlds. Learners use their multiplication facts in a story context to scan asteroids, harvest minerals, plot coordinates and defeat space pirates.



## Rainforest Maths

A vibrant and interactive collection of maths activities designed for learners aged 5 to 10. Students can practice their skills across a range of topics including number, measurement, algebra, chance & data, and more.

# 7 student tips



## 1. Make sure you have a login

Current Mathletics students can use their existing login details to take part (no registration required). No worries, if you don't have one, you can sign up for free at [www.3plearning.com/world-maths-day](http://www.3plearning.com/world-maths-day).

## 2. Use Live Mathletics to prepare

Live Mathletics is the competitive engine behind **World Maths Day**. At any given time of day (or night) you can log on and find a peer somewhere in the world who is ready to pit their mathematics skills against yours.

To see which Live Mathletics levels you should practise, check out the year/grade to Live Mathletics level comparison chart on page 4.

## 3. Sharpen your skills in the areas where you need extra practise

Mathletics is full of revision tools to help you with any concept you're finding tricky. For example:

### To practise multiplication

- Try Multiverse, a space themed multiplication adventure that's found under the 'play' section of Mathletics.
- Learn times-tables as a song using Times Table Toons (also under the 'play' section).

### To practise division

- Use the division revision activities under the 'learn' section of Mathletics.

### Addition and subtraction

- Trek through the mathematical jungle in Rainforest Maths
- Find plenty of activities in the 'Addition and Subtraction' topic under the 'Learn' section.

## 4. Working out your best "Mathletics hand position":

You'll want to make sure you're ready to type in the answers as soon as they come to mind. Here are some tried and tested strategies for rapid-fire typing:

**The Two Hander:** use fingers from both of your hands on the number pad. A great beginner position.

**The Pinkie-masher:** use all fingers on the number keys along the top of the keyboard and your pinkie to hit enter.

**The Accountant:** right hand for typing, left hand for fighting! The right hand answers questions on the number pad whilst your left hits enter after each one.

**The Reverse Accountant:** left hand uses the number pad to answer, while your right hand is firmly placed on the 'enter' button.

**The Top Shelf Reverse Accountant:** left hand uses the number row at the top of the keyboard, while your right hand is firmly placed on the 'enter' button.

**The One Hander:** know your way around the number pad with confidence? Try doing it with one hand!

## 5. Trust in your fingers!

Once you feel confident with your typing position, try to do a few practice rounds without looking at the keys!

## 6. Get it wrong and move on

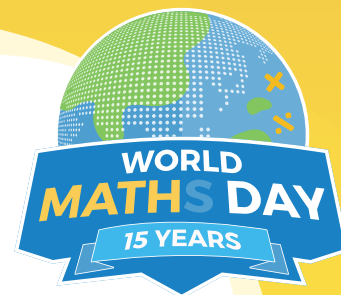
You can get up to 3 incorrect answers per Live Mathletics session before it stops the round. If you get stuck, just try an answer so you can tackle the next question before time runs out. You can always review any incorrect answers at the end of the round.

## 7. Find your inner-Mathlete

Fun is the main aim of **World Maths Day**, so don't be afraid to have a go, make mistakes, and learn from the experience. Anyone can succeed at mathematics – all it takes is confidence!



# On the day



## Get started

On the 23rd of March students can log in to their **World Maths Day** account via [www.3plearning.com/world-maths-day](http://www.3plearning.com/world-maths-day) or [mathletics.com](http://mathletics.com). Once they're logged in, they can select the **World Maths Day** button from the right-hand side of their console, or via the 'Play' area. They'll then find everything they need to compete in the event and track their **World Maths Day** performance.



## GET READY

Welcome to the launch zone! From here you can begin your live competitions with other students. Four gaming modes are available – you can choose to challenge other students from around the world, within your own school or class, or warm up your skills against the computer. The panel on the left shows your classmates. If they're online, you can choose to challenge a student directly by clicking their name.



## TRACK YOUR WORLD MATHS DAY RESULTS...

Only points from your first 20 games will be counted towards your **World Maths Day** score. You can track this using the panel on the right of the screen. **World Maths Day** has ten gaming levels. You can enter at any level, but you'll need to compete at specific levels to earn your **World Maths Day** points. This is to make the competition fair for students of all ages. Your results panel will show you which levels you need to enter, depending on your age/grade level.



## ENTER A LIVE GAME...

Select your game level and click "GO!" to begin. You will be matched with up to three other students of a similar ability to compete against. Once you enter the gaming arena you will have sixty seconds to answer as many questions as possible, beating your opponents to the finishing line!



## BEAT YOUR OPPONENTS...

The game will continue until the clock runs down to zero. Continue answering questions to earn points as quickly as possible – but be careful! **World Maths Day** is about speed and accuracy, three incorrect answers and you're out of the game!

The points from your first 20 games will be counted as your official **World Maths Day** score.





# CERTIFICATE OF ACHIEVEMENT

## **Super Mathlete Award**

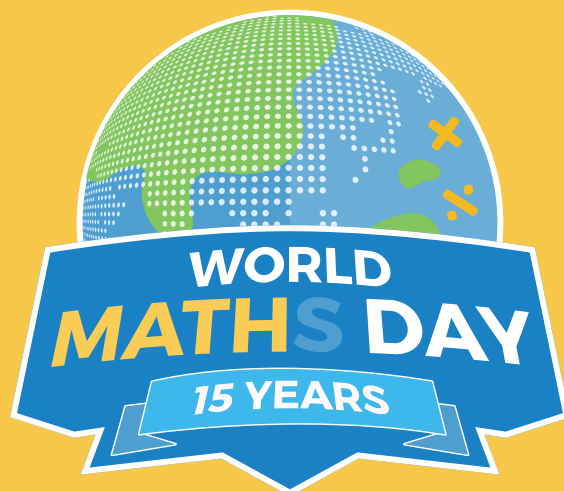
Awarded to:

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From the **Mathletics** Team





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Mathletics