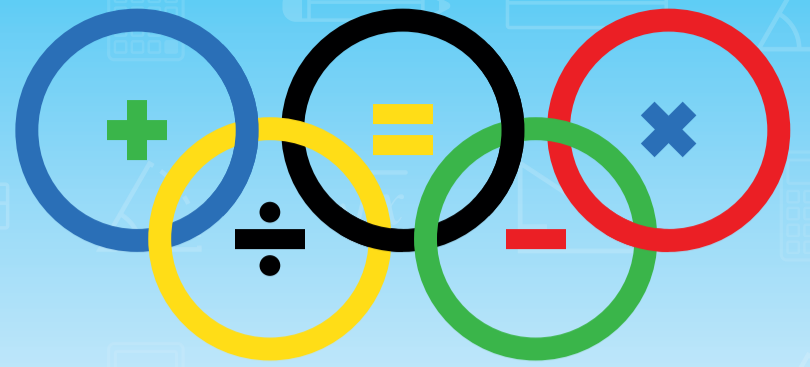


# THE 2023–24 OAT MATHOLYMPICS CHALLENGE



## The OAT MathOlympics Spring Challenges 2024



Challenge yourself with these Spring MathOlympics puzzles and you could win a **£20 Amazon voucher**. The challenge is open **Monday 11 March - Monday 25 March** and you can attempt as many of the puzzles as you wish, each of which has a circular theme to tie in with **Pi Day** on 14 March.

### Open to all pupils of OAT schools 11–25 March 2024

All tasks can be accessed  
by scanning the QR code...



#### Olympic(ish) Rings Puzzle

Make every circle add to 21 using each of the numbers below exactly once.

Which number should replace the star?



Scan for entry form

#### A Staggering Distance

Ever wondered why athletes do not all start from the same part of the track?

The distance around a running track is longer as you go further out from the innermost lane. This is why the athletes' starting positions are staggered. How much longer is one circuit in the outermost lane than one lap in the innermost lane?



Scan for entry form

#### Calculating Pi(e)

Pi is used in calculations involving circles and lots of pies are circular so what better way to use pi than to work out how to get the most pie?!

We need to know which of the three boxes contains the most pie, as well as the percentage of that box which is pie, correct to the nearest integer.



Scan for entry form

To be in with a chance of winning a prize, please submit your answers to the challenges above by visiting [bit.ly/MathOlympicsSpring24](https://bit.ly/MathOlympicsSpring24) or scanning the QR codes below each task. The **deadline for submissions is 5pm on Monday 25 March 2024**. Winners will be announced by midday on Friday 29 March 2024.

We're sharing this opportunity across all 42 academies, so get your answers in as soon possible. **Good luck!**

For more information please visit  
[ormistonacademiestrust.co.uk/matholympics](https://ormistonacademiestrust.co.uk/matholympics)  
or email [matholympics@ormistonacademies.co.uk](mailto:matholympics@ormistonacademies.co.uk)

