

Maths Weekly Wonders

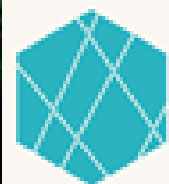
A fun, weekly challenge linked to events happening in the world around us to keep mathematical minds active!

Choose from **Key Stage 1**, **Lower Key Stage 2** or **Upper Key Stage 2**.



Cambridgeshire
County Council

Week 2 - 25/07/22



Cambs
Maths
Team



Saturday 30th July, 2022: International Friendship Day

The exchange of gifts like flowers, friendship bracelets or cards is popular on this day.

- 1) Kelly has 18 roses and 9 tulips. She wants to give her 3 friends a mixed bunch of flowers. What will be in each bunch, if she shares out the flowers equally?
- 2) Annie needs one piece of pink string and one piece of blue string to make one friendship bracelet. Each piece is 70cm long. How much string will she need for two bracelets?
- 3) Laura decides to post some cards to her friends. Second class stamps cost 65p each. She has a £5 note. How many stamps can she buy and how much change will she get?



Friday 29th July, 2022: International Tiger Day

- 1) In 2020, there were around 3,890 tigers remaining in the wild. Conservationists have been working to double this number by the Chinese Year of the Tiger in 2022. Approximately how many tigers would there be in the wild, if this was successful?
- 2) Tigers can sprint at 60km per hour over short distances. How long would a tiger take to sprint 100m, at this speed?
- 3) An adult male tiger in the wild requires a territory that covers 60 to 100 square kilometres (km^2). If an adult female requires 20 km^2 , what fraction is this of the minimum and maximum adult tiger's area?
- 4) The tiger is the biggest species of the cat family. Tigers can weigh as much as 300 kg. An average pet cat weighs 5000g. How many times heavier is the tiger than the pet cat?





Thursday 28th July, 2022: Harry Kane's Birthday

- 1) Harry Edward Kane will be 29 years old on his birthday in 2022. In what year was he born?
- 2) Using the information in the table, in which year was Harry's average number of goals scored per appearance the highest?
- 3) Season ticket holders receive a 10% discount on their own ticket for a guided tour. Jim is 34 years old and has a season ticket. How much would it cost for him to take his dad (aged 71) and his two children (aged 8 and 4) with him for a stadium tour?
- 4) The football pitch at Tottenham Hotspur Stadium is 105m long and 68m wide. This is 440 square metres larger than the previous pitch at White Hart Lane. If the previous pitch was 67m wide, what was the length?
- 5) The Tottenham Hotspur stadium has a capacity of 62,303 people. Jim says this is 75% more than at the previous ground, White Hart Lane, which had a capacity of 36,284. Is he correct? Explain your answer.

Appearances and goals by national team and year

National team	Year	Apps	Goals
England	2015	8	3
	2016	9	2
	2017	6	7
	2018	12	8
	2019	10	12
	2020	6	0
	2021	16	16
	2022	2	1
Total		69	49

As of match played 29 March 2022

Tottenham Hotspur Stadium Guided Tour Prices:

- Adult (16+): £30
- Concession (65+): £27
- Child (5-15): £15
- Under 5 at the time of the tour: free