

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**.

Sunday 21st August, 2022:

Anniversary of when Big Ben stopped chiming.

Big Ben is the name of the bell that sits inside the Elizabeth Tower of the Houses of Parliament.

- 1) The last time the bell chimed was midday.
How many chimes were heard?
- 2) The bell usually strikes every quarter of an hour.
How many minutes is this?
- 3) On Friday 21st August, 2017, Big Ben chimed for the last time before 4 years of repair works.
In which year was the work completed?



A chime is the noise a bell makes when it rings.

Every o'clock time, the bell rings the same number of times.

For example, at 2 o'clock, the bell rings 2 times.

Friday 19th August, 2022: International Orangutan Day

- 1) Orangutans are usually between 1.2m to 1.5m tall but have a longer arm span of up to 200cm. How much longer is the arm span, compared to the height?
- 2) An adult male orangutan may be three times as heavy as adult female. If an adult male weighs around 90kg, how much would an adult female weigh?
- 3) Orangutans can spend up to 20 hours a day in trees. What fraction of one day is this?
- 4) Carl is planning a day trip to a rescue centre with his three children, Hannah (5 years old), Lucy (7 years old) and Alison (9 years old). What is the cheapest ticket cost for them all?



Ticket Type	Ticket Tariff
Adult	£12.00 per ticket
1 adult 2 children	£27.00 per ticket
2 adults 2 children	£38.00 per ticket
Age 3-15	£9.00 per ticket



Saturday 20th August, 2022: World Mosquito Day

- 1) World Mosquito Day was first established in 1897, when the link between mosquitoes and malaria transmission was discovered by Sir Ronald Ross. How many years ago was this?
- 2) The lifespan of a male mosquito is 7 days. A female mosquito lives for between 2 weeks to one month. For approximately what fraction of the female's lifespan does the male live for?
- 3) Malaria can be found in over 100 countries but roughly 70% cases are concentrated in 11 tropical countries. What fact could you give from this about the remaining cases?
- 4) Mosquitoes can beat their wings between 450 and 600 times per second. How many times is this every minute?
- 5) There is believed to be approximately 219 million cases of malaria every year across the world. How many is this every month?

