

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**.

Tuesday 30th August, 2022:

International Whale Shark Day.

The whale shark is the largest species of shark.

1) Whale sharks weigh 12 tonnes each. An elephant weighs half as much. How much does an elephant weigh?

2) A lion measures 2 metres long. A whale shark measures 7 times as long as a lion. How long is a whale shark?

3) Crocodiles have 24 teeth. Whale sharks have 300 teeth. How many more teeth does the whale shark have?



Saturday 27th August, 2022: Anniversary of first publication of the “Guinness Book of World Records” by student twins Norris and Ross McWhirter.

- 1) **The Guinness Book of Records** was first published in 1955 and holds its own record as the world's most sold copyrighted book. How many years ago was this?
- 2) **Record** : The longest tongue. Nick Stoeberl's tongue is 10.1cm long. He's held this record since 2012, breaking the record of Stephen Taylor's 9.8cm long tongue, who had held the title since 2002. By how many mm is Nick's tongue longer?
- 3) **Record** : The longest finger nails on a pair of female hands (most recent holder until cut off in March 2021). Ayanna's finger nails had a combined total length of 733.5cm. Estimate how long each finger nail was.
- 4) **Record** : The longest zip wire is the Jebel Jais Flight, in Ras Al Khamah, United Arab Emirates. It is 2,831.88m long. Approximately how many times longer is this than the tallest building in the world – the Burj Khalifa which is 830m tall?



27th – 28th August, 2022: International Bat Night

International Bat Night is an awareness-raising campaign highlighting the need for bat conservation and their habitats. Every year on the last full weekend of August.

- 1) The 25th International Bat Night takes place on the last full weekend in August in 2022. In which year did the 3rd International Bat Night take place?
- 2) The large flying fox (a bat) has a wingspan of over 1.5m whereas the bumblebee bat has a wingspan of 3cm. What is the difference in wingspan, in cm?
- 3) Britain's smallest bat species, the common pipistrelle, weighs about the same as a 2p coin. How many grams do you think this is?
- 4) A common pipistrelle can eat over 3,000 tiny insects in a single night. If they are active between dusk and dawn, approximately how many insects is this per hour, in August?
- 5) During hibernation, bats need so little energy that their heartbeat can drop to just four beats per minute (bpm) but when a bat is in flight, hunting, or on a long-range journey, it can reach from 400 to 1,000 bpm. How many times faster is this than the hibernation rate?

International
Bat Night

