

# 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**.



## Saturday 14th August, 2021: World Lizard Day

- 1) The Komodo dragon is the largest type of lizard, growing up to 3 metres in length. How many centimetres (cm) is this? **300cm**
- 2) The short-tailed pygmy monitor grows to 25cm in length. How many times bigger is the Komodo dragon? **12 times**
- 3) Some people keep pet lizards in a vivarium. Inside, there should be a hot spot temperature of around  $37^{\circ}\text{C}$  and the other end of the vivarium should be around  $11^{\circ}\text{C}$  cooler. What temperature is this?  **$26^{\circ}\text{C}$**





## Thursday 12<sup>th</sup> August, 2021: World Elephant Day

There are two main species of elephant – African and Asian.

- 1) African elephants have a lifespan of up to 70 years in the wild whereas Asian elephants have a shorter lifespan of around 48 years. What is the difference in lifespan?  
**22 years**
- 2) Male African elephants are the largest land animals in the world, weighing in at around 6000kg and standing 3.2m tall at the shoulder, while females are about 60cm shorter and half the weight. What is the height and weight of a female?  
**Height 2.6m or 260cm**  
**Weight 3000kg**
- 3) Baby African elephants weigh around 100kg on average. How many times bigger is an adult male?  
**60 times bigger**
- 4) An adult elephant needs to eat up to 150kg of food a day. Approximately how many tonnes is this every week?  
 **$150\text{kg} \times 7\text{days} = 1050\text{kg per week}$**   
**So approximately 1 tonne**



1 tonne = 1000kg



## Tuesday 10<sup>th</sup> August, 2021: World Lion Day

- 1) A lion may sleep up to 20 hours a day. How many hours would it be awake for in one week? **At least 28 hours ( $4 \times 7$ )**
- 2) One small population of about 500 lions exists around Gir Forest National Park in western India. Forty times as many lions live in Africa. What is the total population of all of these lions? **20,500 lions**
- 3) A lion can eat up to 40kg of meat in a single meal. If this is one quarter of it's bodyweight, how much does it weigh? **160kg**
- 4) Lions are the only known cat species where individuals roar together. The calling sequence usually lasts about 40 seconds. What fraction of a minute is this?  **$\frac{2}{3}$  or  $\frac{40}{60}$**
- 5) A lion's roar can be heard up to 8km away. How many miles is this? **5 miles**

