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 3 - 02/08/21

Cambs Maths Team

Maths Weekly Wonders

Sunday 8th August, 2021: World Cat Day

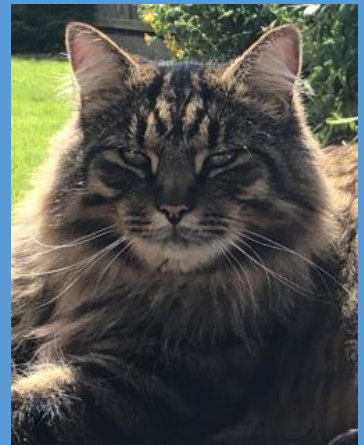Every Cat Matters. Learn about and celebrate cats.

World Cat Day

1) This celebration started in 2002.
   How many years ago was this?

2) Cats usually sleep for 13 to 14 hours every day.
   For how many hours are they awake every day?

3) Bailey weighs 6kg.
   Smudge weighs 1kg more than Bailey.
   Dolly weighs 1kg less than Bailey.
   How much do Smudge and Dolly each weigh?
   How much do the three cats weigh altogether?

Bailey

Dolly

Smudge

Maths Weekly Wonders

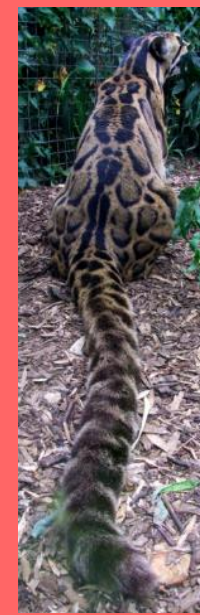**Tuesday 3rd August, 2021: Anniversary of Christopher Columbus' first voyage.**

1) Christopher Columbus first set sail from mainland Spain to the Canary Islands on 3rd August 1492, heading west to Asia. How many years ago was this?

2) His flagship, the Santa Maria had 52 men aboard while his other two ships, the Nina and Pinta were each crewed by 18 men. How many men was this altogether?

3) Columbus estimated the distance between the Canary Islands and Japan to be about 2,300 miles. The actual distance is about 12,200 miles. How much further is this than his first estimate?

4) If the ships sailed at an average speed of 4 knots, how many nautical miles would they travel in one full day?

1 knot = 1.15 nautical miles per hour

Maths Weekly Wonders

Wednesday 4th August, 2021: International Clouded Leopard Day

1) Clouded leopards can open their jaws to 10 degrees wider than a right angle. How many degrees is this? What is the name given to this size of angle?

2) The clouded leopard has a top speed of 40mph (miles per hour). What is this speed in kmph (kilometres per hour)?

3) Adult clouded leopards usually measure between 1.2m and 1.8m in length, of which half of this length is the tail. What is this tail length, in cm?

4) A clouded leopard's 5cm long canine teeth are the longest, in relation to body size, of any wild cat. If these cats usually stand between 25cm to 40cm tall, what fraction of their height is the length of the clouded leopard's canine teeth?

5) In Nepal, the clouded leopard was thought to be extinct since the late 1860s. But in 1987 and 1988, four individuals were found in the central part of the country. Approximately how many years later was this?

INTERNATIONAL CLOUDED LEOPARD DAY

5 miles = 8 kilometres