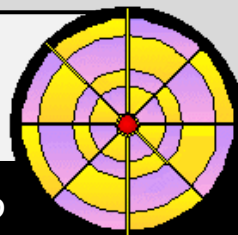


The Daily Rigour



Sun 31st May 2020

Issue No. 206

Your free weekly numeracy newspaper!

SpaceX and NASA complete historic launch successfully

SpaceX's second attempt to launch two NASA astronauts on a mission to the International Space Station was successful yesterday. This was after the first attempt was delayed due to bad weather on Thursday.

The Falcon 9 rocket lifted off at 3:22 pm (Eastern Daylight Time) and is expected to take 19 hours to reach the International Space Station.

UK time is four hours ahead of EDT. When can we expect the Falcon 9 rocket to reach the International Space Station UK time?



Climate change: Top 10 tips to reduce carbon footprint revealed

Climate change can still be tackled - but only if people are willing to embrace major shifts in the way we live, a report says.











The authors have put together a list of the best ways for people to reduce their carbon footprints based on the amount of CO₂ equivalent in tonnes saved each year.

Complete the following calculations WITHOUT a calculator!

- (a) How many tonnes of CO₂ are saved per year by a person renovating their home AND living car free?
- (b) How many MORE tonnes of CO₂ are saved per year by a person using public transport compared to a person eating a vegan diet?

Top options for reducing your carbon footprint

Average reduction per person per year in tonnes of CO₂ equivalent

	Live car-free 2.04		Refurbishment /renovation 0.895
	Battery electric car 1.95		Vegan diet 0.8
	One less long-haul flight per year 1.68		Heat pump 0.795
	Renewable energy 1.6		Improved cooking equipment 0.65
	Public transport 0.98		Renewable-based heating 0.64

ENVIRONMENT

Premier League set to restart on 17th of June

The Premier League is set to restart on the 17th of June subject to government approval.

There are 20 teams in the Premier League altogether. Manchester City, Sheffield United, Arsenal and Aston Villa still have to play 10 games each and the rest of the teams each have one fewer game to play than this.

How many games are still to be played in total?

****HINT**** Sketch it out!



The asteroid that killed the dinosaurs struck at a perfect angle to inflict maximum planetwide damage, study finds

When a 6 mile wide asteroid struck the Earth 66 million years ago, it doomed 75% of life on the planet.



The impact, which occurred in present day Mexico, spurred a mile high tsunami and wildfires. It instantly acidified the oceans. But the killing stroke for many land based species was the release of billions of tons of sulphur that blotted out the sun and cooled the planet. The dinosaurs fried, then froze.

Researchers discovered that the space rock struck at a "perfect" angle, which they said "constitutes the worst-case scenario" in terms of how much carbon dioxide and sulphur was ejected into the atmosphere.

The "perfect" angle, which the space rock struck the Earth at, was two thirds of a right angle.

What is the size of this angle?