# The Daily Rigour

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SCIENCE

# Your free weekly numeracy newspaper!

#### Perseverance: NASA's rover takes 11 million earthling names to Mars

Nearly 11 million people landed on Mars last week - even if it was just in names only. When NASA's Perseverance rover touched down on the red planet, it did so bearing three silicon chips containing the names of citizens of the world.

In total, 10 932 295 people from around 250 countries had their names travel the 300 million miles through the solar system aboard the rover as part of the "Send Your Name to Mars" project - and 284 350 of those were people in the UK

What percentage of the names were from the UK? Round your answer to 1 decimal place!

## Plans for tunnel linking Scotland to Northern Ireland could be given go ahead next month

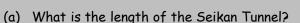
The ambitious project would connect Stranraer in Dumfries and Galloway to Larne in North Ireland across the North Channel.

If approved, the link would allow Scots to drive to North Ireland in a fraction of the time it takes to complete the crossing by ferry.

The proposed tunnel would be 50.45 kilometres, the same length as the Channel Tunnel. It is hoped that it will help solve trade issues brought about by Brexit.

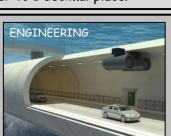


The world's longest tunnel with an undersea segment is the Seikan Tunnel in Japan. It is 3.35 kilometres longer than the Channel Tunnel.



The tunnel with the deepest undersea segment is the Ryfylke Tunnel in Norway. It is 39.4 kilometres shorter than the Seikan Tunnel.

- What is the length of the Ryfylke Tunnel?
- How long would it take a cyclist, travelling at an average speed of 10 kilometres per hour, to travel the length of the Channel Tunnel? Give your answer in hours, minutes and seconds.



### China court orders man to pay wife for housework in landmark case

A Beijing divorce court has ordered a man to compensate his wife for the housework she did during their marriage, in a landmark ruling



The woman will receive 50 000 yuan for five years of unpaid labour. The case has generated a huge debate online over the value of domestic work, with many people

saying the compensation amount was too little.

Current exchange rate: £1 = 9.02 yuan

(a) How much was the value of this compensation in pounds and pence?

Chinese women spend nearly four hours a day on unpaid work, according to OECD statistics.

(b) Can you work out how much this would be as an hourly rate of pay? (Note there has been 1 leap year over the past 5 years)

# Midweek League 2 table looking very mathematical

SPORT		Pts
1	CAMBRIDGE UTD	52
2	FOREST GREEN	51
3	CHELTENHAM TOWN	50
4	MORECAMBE	49
5	TRANMERE ROVERS	48
6	NEWPORT COUNTY	47
7	EXETER CITY	46
8	SALFORD CITY	45
9	<b>BOLTON WANDERERS</b>	44
10	CARLISLE UTD	43

The top 10 teams in England's League 2 were, unbelievably, all separated by a point from each other in the midweek table!

To quickly add consecutive numbers you can follow these steps;

- 1. Add the first number and the last number
- 2. Multiply the answer by the number of numbers
- 3. Divide your answer by 2

Can you quickly add all the numbers from 43-52?