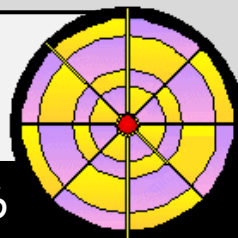


The Daily Rigour



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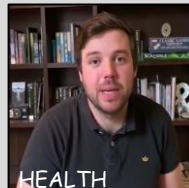
Your free weekly numeracy newspaper!

I was invited for a covid vaccine because the NHS thought I was 6 cm tall!

A 32 year old man from Liverpool was invited for a COVID-19 vaccine as the NHS believed he met the criteria for vaccination due to his height.

Rather than having his height correctly registered as six foot two inches, it had been put into the NHS system as 6.2 centimetres!

Needless to say, when this was pointed out, he was not offered the vaccine.



Chandra Bahadur Dangi was declared the shortest human adult ever documented and verified measuring 54.64 centimetres. What was his height in;

- (a) millimetres?
- (b) metres?



50 year anniversary of the switch to decimalised money system

Monday the 15th of February marked 50 years since Decimal Day, when the UK first switched its currency to a system that uses units of 10.

Before 15/02/1971, a pound was made up of 20 shillings, and shillings were equivalent to 12 pence.

- (a) How many pennies were in a pound in this old system?
- (b) How many pennies are in a pound in our current system?

Shown opposite is a shilling coin and an old penny coin. Shillings were usually abbreviated to 's'.

The 's' stands for 'sesterius' or 'solidos', coins used by the Romans.

Pennies were, confusingly, abbreviated to 'd'! This is because the Latin word for this coin was 'denarius'.

Here are the prices from some household items on Decimal Day.

- (c) Using only shillings and pennies, what are the LEAST amount of coins needed to pay for each of these items? You must give reasons for your answers!



1 shilling



1 penny

BUSINESS



250 grams of butter - 24d



A dozen eggs - 40d



A leg of lamb - 60d



A gallon of petrol - 74d

First travellers arrive in UK for hotel quarantine stay

The first travellers required to stay at quarantine hotels arrived in the UK on Monday.



Travellers now have to pre-book and pay £1750 to spend 10 days in government-sanctioned hotels. The cost covers the hotel stay, transport and testing.

The additional rate for one extra adult or a child aged over 12 is £650, and for a child aged five to 12 it is £325. There is no charge for children under 5.

How much money would the Mr and Mrs Smith and their 3 children (aged 4, 11 and 13) have to pay in total for their UK quarantine?

NASA's Perseverance Rover has landed on Mars

NASA's Perseverance rover successfully landed on Mars on Thursday the 18th of February.



The space agency's six wheeled robot has now completed its 470 million kilometre journey from Earth.

It started its journey from Earth way back on the 20th of July 2020.

- (a) How many days did the Perseverance rover take to travel to Mars?
- (b) How many hours is this?
- (c) Can you work out the average speed of the journey? Give your answer in KILOMETRES PER HOUR and round your answer to 1 d.p.