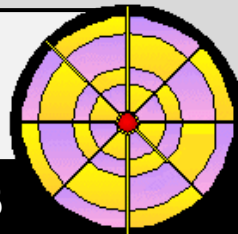


# The Daily Rigour

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Your free weekly numeracy newspaper!

## Swiss researchers calculate pi to new record number of decimal places

Swiss researchers have calculated the mathematical constant pi to a new world-record of decimal places. They managed to record 62 800 000 000 000 figures using a supercomputer.

(a) Write this figure in words.

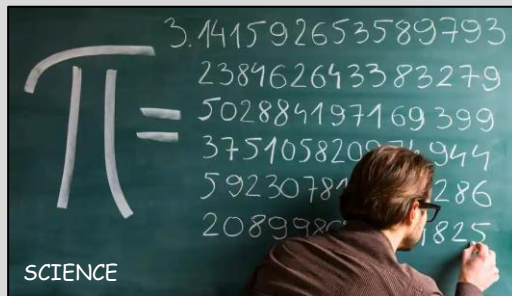
The calculation took 108 days and nine hours.

(b) How many minutes did the calculation take?

Pi,  $\pi$ , is a mathematical constant that can be calculated by dividing the circumference of any circle by its diameter. It has an infinite number of decimal places. Chao Lou from China holds the record for memorising the most digits of  $\pi$  - 67 890 to be precise!

Look at the picture above.

(c) How many digits can you memorise  $\pi$  to? Ask someone in your class to test you!



## John Higgins scores 12<sup>th</sup> career 147

John Higgins says it is "a proud moment" to have surpassed compatriot Stephen Hendry's career total with a 12<sup>th</sup> maximum break at the Snooker British Open.

The 46 year old Scot's latest 147 came in the opening frame of his 3-1 first-round win over Alexander Ursenbacher of Switzerland and he is now second, three off Ronnie O'Sullivan, in the all-time list.

A 147 break is the maximum score that a player can get in a visit to the table.

In snooker, a red ball must be potted followed by another colour.

The other colour is then re-spotted and this must be continued until all the red balls have been potted. Once the reds are gone, a player must pot the colours in order; yellow, green, brown, blue, pink and black.

How many red balls are on the table at the beginning of a frame?



SPORT

- 1 point
- 2 Points
- 3 Points
- 4 Points
- 5 Points
- 6 Points
- 7 Points

## Striker Demba Ba QUITs new club after just 48 minutes!

Demba Ba signed for Swiss club FC Lugano but ended up quitting after just 48 minutes!

In the UK, an employee will change jobs, on average, every five years.

It has also been found that the average UK worker will spend 39.4 years in employment in their lifetime.

How many jobs does the average UK worker have in their lifetime?



## Football team wears shirt numbers 1-11 for first time since 1998!

On Saturday's early kick-off between Liverpool and Burnley, the away team lined up wearing shirt numbers 1-11.

This is the first time a top flight team has done this since 1998!



These days, players wear all sorts of shirt numbers, and sometimes there are numerical reasons why they have chosen them!

For the players below, can you think of a numerical reason why they chose their numbers?

(a) Why did Ivan Zamorano, one of the most formidable strikers in world football in 1996 choose the very unusual squad number 1 + 8?



(b) Why did Mesut Ozil choose the number 67 when he signed for Fenerbahçe earlier this year?

(c) Why did Finnish midfielder Mika Lehtkosuo choose the decimal 96.2 as his squad number?

(d) Why did Brazilian Ronaldinho choose the number 80 when he signed for AC Milan in 2008?

(e) Why did French left back Bixente Lizarazu choose the squad number 69 back in 2005?