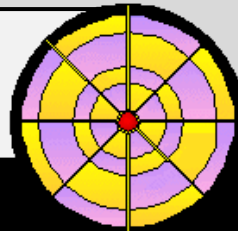


The Daily Rigour

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Your free weekly numeracy newspaper!

Macaulay Culkin returns as Kevin McCallister in Google's Christmas advert

Some 28 years later and Macaulay Culkin has reprised his role as Kevin McCallister in Home Alone for a new Google Assistant Christmas advert - and it's like an early Christmas present for every Home Alone fan.

The advert was uploaded to YouTube only 3 days ago and, at the time of publishing this newspaper, the total number of views were 21 801 024.

(a) Write this figure in WORDS.

(b) Calculate the average number of views per hour.

TECHNOLOGY



Largest known prime number discovered on Friday

Patrick Laroche, an IT professional, from Florida has discovered a new prime number using free GIMPS software which can be downloaded at www.mersenne.org/download/.

The Great Internet Mersenne Prime Search (GIMPS) was formed in January 1996 by George Woltman to discover new world record size Mersenne primes. In 1997 Scott Kurowski enabled GIMPS to automatically harness the power of thousands of ordinary computers to search for these "needles in a haystack". Most GIMPS members join the search for the thrill of discovering a new Mersenne prime.

Patrick was no different. The prime number he discovered was 2^{82 589 933} - 1.

This prime number was calculated by multiplying together 82 589 933 twos, and then subtracting one and has 24 862 048 digits - what a find!

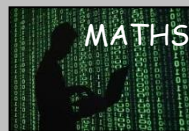
A prime number is a number with exactly two factors. A factor is a number that divides into another number with no remainder.

(a) Explain why this year (2018) isn't a "prime year".

(b) Is next year (2019) a "prime year"? You MUST give a reason for your answer.

(c) When is the next "prime year"?

MATHS



Jose Mourinho's time at the Lowry Hotel cost £537k

Jose Mourinho's time as Manchester United manager came to an end on Tuesday morning but it's not just Old Trafford that the now former boss will be leaving but also his very expensive room at the Lowry Hotel.

Jose moved into the hotel on the 6th of July 2016 and moved out on the day he left Manchester United.

How much does it cost for a one night stay in the Lowry Hotel?



SPORT



Star Wars Episode 9 - let the countdown begin!

Thursday saw the year countdown begin for the release for Star Wars Episode IX.

The wait has been rumoured to get a little better with the release of a trailer, possibly before the end of this year.

ENTERTAINMENT



On what date will the film be released in cinemas?

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