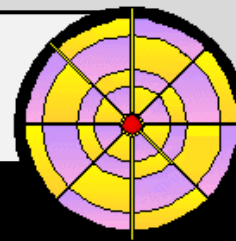


# The Daily Rigour

Sun 15<sup>th</sup> January 2023

Issue No. 312



Your free weekly numeracy newspaper!

## Which was the cheapest supermarket in 2022?

Aldi was the cheapest supermarket of 2022, according to recent analysis. The prices of 48 popular groceries were compared in the month of December and it was found that the total cost for these items was cheapest at Aldi.

This was the seventh month in a row that Aldi was the cheapest supermarket.

For the cost of these 48 items, Ocado was £9.75 cheaper than Waitrose. Tesco was £9.45 cheaper than Ocado. Sainsbury's was £2.29 more expensive than Tesco. Aldi was £14.08 cheaper than Sainsbury's.

What was the cost of these 48 grocery items in Aldi during the month of December?



## \$135bn Mega Millions jackpot won by single lottery ticketholder in US

A single ticketholder has won an estimated \$1.35bn dollars in the US Mega Millions lottery. Mega Millions is played in 45 states as well as Washington, DC, and the US Virgin Islands.

There had been 25 draws in a row without a jackpot winner, but that streak ended with someone beating the odds of one in 302.6 million to take the top prize!

The \$1.35bn grand prize is for a winner who takes an annuity with annual payments over 29 years. Winners almost always choose the cash option. If the winner of Friday's draw chooses the cash option they will receive a payment of \$625.4m less than the full amount.

What is the value of the cash prize? Give your answer in WORDS.

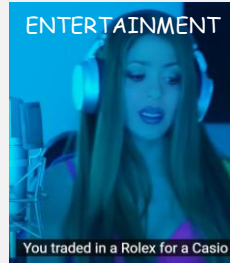


## Shakira's new single implies Rolexes are better than Casio's!!!!

Colombian pop star Shakira has released a new rap song which has a record breaking 117 million YouTube views in only 3 days.

In one particular line, she references trading in a Rolex for a Casio. What Shakira doesn't seem to know is that you can currently buy a Casio watch from Argos with a built in calculator for under £40!

On average, how many views has her new song got on YouTube per day?



## Schoolboy dubbed 'little Del Boy' for selling empty bottles of Prime energy drink

A 10 year old boy has been dubbed a "little Del Boy" for re-selling EMPTY bottles of the popular Prime Hydration energy drink! The youngster's first sale netted him £12 for five empty bottles of Prime, which normally retail at £1.99 in supermarkets.



(a) How much profit did he make on each bottle?

To make it even more mathematical, the boy sold a prime number of prime energy drinks due to 5 being a prime number! Five is a prime number since it has exactly two factors - 1 and 5.

(b) If his next sale was 43 bottles, would this be a prime number of prime energy drinks? Explain your answer.

(c) If his next sale after that was 57 bottles, would this be a prime number of prime energy drinks? Again, explain your answer.