The Daily Rigour
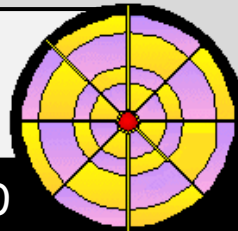
Your free weekly numeracy newspaper!

North Korea changes its time zone to match South

North Korea has changed time zone to match South Korea after last week's inter-Korean summit, according to state media. At 23:30 local time (15:00 GMT) on Friday the country's clocks moved forward 30 minutes to midnight. The reset is "the first practical step" to speed up Korean unification, the official KCNA news agency said.

North Korea forgot to change one clock!
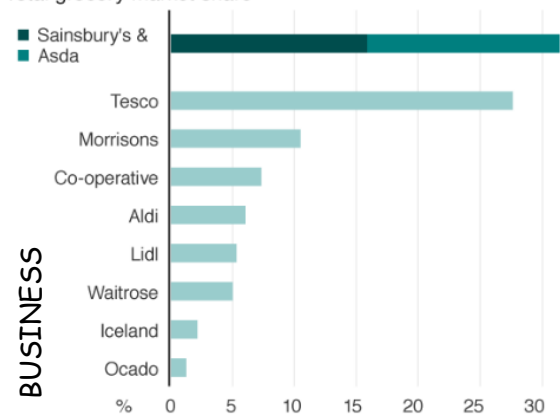
What time should it be changed to?

ASIA

Sainsbury's and Asda to merge and lower prices!

Sainsbury's has confirmed plans to merge with Asda, which is currently owned by US supermarket giant Walmart. The supermarkets said that grocery prices would fall in both chains as a result of the merger.

Total grocery market share

- Sainsbury's & Asda
- Tesco
- Morrisons
- Co-operative
- Aldi
- Lidl
- Waitrose
- Iceland
- Ocado

BUSINESS

Sainsbury's and Asda have a combined market share of 31·4%. Sainsbury's has a 0·4% higher market share than Asda.

(a) What are Sainsbury's and Asda's current market shares as percentages?

Excluding Tesco, the other supermarket's combined market share comes to 41·2%.

(b) What is Tesco's current market share as a percentage?

by Cdmasterworks Ltd

Town in Pakistan was the hottest place ever in April

We didn't enjoy the best of weather during April, that's for sure! But spare a thought for the

WEATHER

people of Nawabshah in southern Pakistan, where scientists claim the highest ever April temperature was recorded.

The temperature of 50·2°C that was recorded at Nawabshah on Monday was a world record for this time of year and the highest ever recorded in Asia.

The temperature recorded at the same time in Antarctica was -30·8°C. What is the difference between these two temperatures?

NASA launches mission to investigate Mars

Only 40% of the missions ever sent to Mars have been successful - but NASA hopes their new rocket, InSight, will reach the red planet by November.

It will take InSight about six months to travel the 301 million miles to Mars, and it is expected to take 205 days to get there.

InSight launched on Saturday the 5th of May.

SPACE

(a) On what date is it expected to arrive on Mars?

(b) What must the average speed of the rocket be to arrive on time? Give your answer to the nearest mile per hour.