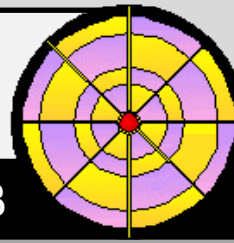


# The Daily Rigour

Sun 12<sup>th</sup> February 2017

Issue No. 38



Your free weekly numeracy newspaper!

## Scottish Power announces sharp rise in energy prices

Scottish Power has announced a sharp increase in energy prices.

The company will raise standard tariff electricity prices by 10.8% from the 31<sup>st</sup> March, while gas prices will increase by 4.7%.

Scottish Power said in a statement that a third of its 3.3 million customers would be affected by the price increase.

(a) How many homes will be affected by the price increase?

(b) A customer currently pays £30 for his electricity bill and £50 for his gas bill every month. What will his new total bill be from April onwards?



## Google coding champion from Cameroon has hometown cut off from the internet

The first African winner in Google's annual coding competition, Nji Collins Gbah, needs to travel 370km from home in order to use his cousin's internet in the Cameroonian capital, Yaounde, because the government has cut off his hometown from the internet.

The prestigious Google Code-in is open to pre-university students worldwide between the ages of 13 and 17. This year more than 1300 young people from 62 countries took part.

The average human walking speed is 5 km/hr.

How long would it take Nji to walk to his cousins house travelling at this speed?



## New child seat rules will confuse parents, warn experts

New booster seat rules risk leaving parents confused and open to fines, according to experts. From the 1<sup>st</sup> March, manufacturers will not be allowed to sell backless booster seats for smaller children.

This is due to the United Nations warning that booster seats without backs are not safe for smaller children because they do not protect against side-on collisions.

However, parents who already own one will still be able to use them for children weighing more than 15kg.

Alison is unsure whether she needs to buy a new car seat for her son Max. She has just been to get Max weighed at the doctors and, to make the situation even more confusing has been given his weight in imperial units!

Max weighs 2st 9lbs. Will Alison need to buy a new car seat? Use the table opposite, to help you decide!



Unit	Metric
1 pound (lb)	453.59 g
1 stone (st)	6.35 kg
by Cdmasterworks Ltd	

## £650k Mansion Ruffled Off for £2 a Ticket

Prizes at raffles typically involve a Christmas soap set that no one wants and some chocolates no one has heard of.

But this time, entering a raffle could land you with a six-bedroom newly refurbished mansion in Lancashire worth £650k - so it's probably worth a £2 investment. A struggling father, is hoping to sell enough tickets to pay the asking price for the refurbished home.

£1500 has been raised so far in raffle money and it has come from keen participants in places as far as Australia.

One participant has bought £60 worth of tickets. What is the probability of him winning the house?

Give your answer as a fraction, decimal & percentage.

