The Daily Rigour
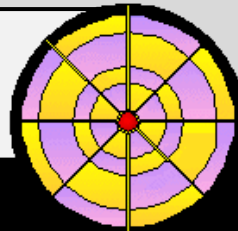
Your free weekly numeracy newspaper!

Britain in two-week coal-free record

Britain has not used coal to generate electricity for two weeks - the longest period since the 1880s.

When coal has not been used over the past fortnight, solar, wind, nuclear, gas and some hydro-generated power have been used to make up the difference.

For how many seconds has Britain generated electricity without the use of coal over the past two weeks? Give your answer in WORDS.
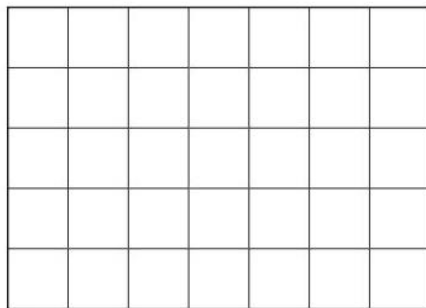
ENVIRONMENT

Can you answer these "P6" Exam Questions?

Make two straight cuts along the grid lines to divide the rectangle into two squares of different sizes and one rectangle. This was among Sats questions faced by 600 000 Year 6 pupils earlier this month (P6 equivalent in Scotland).

Why don't you have a go at it and the 2 other measurement questions shown???

EDUCATION

These two shapes have the **same** perimeter.

regular hexagon　　　　square

Not actual size

2 marks

The length of each side of the **hexagon** is **8** centimetres.

Calculate the **area** of the **square**.

Adam has this rectangular piece of card. It is marked with grid lines.

Adam makes two straight cuts along the grid lines.
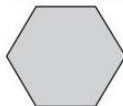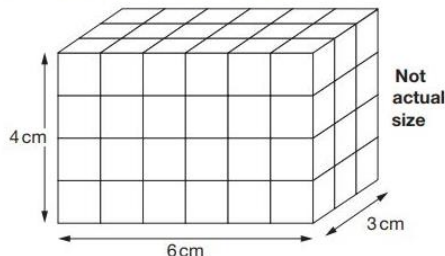
The two cuts divide the rectangle into 3 shapes:

- 2 squares of **different** size, and
- 1 rectangle.

Use a ruler.
1 mark

Using the grid lines, draw **two** lines that show where Adam could have made his cuts.

Amina made this cuboid using centimetre cubes.

Not actual size

4 cm

6 cm

3 cm

Stefan makes a cuboid that is 5 cm longer, 5 cm taller and 5 cm wider than Amina's cuboid.
2 marks

What is the **difference** between the number of cubes in Amina's and Stefan's cuboids?

Liverpool fan buys £40 car to drive to Madrid for Champions League Final

A Liverpool fan has decided to cut the costs of travelling to Madrid after purchasing a £40 car instead of splashing out £800 for return flights.

The shortest driving route from Liverpool to Madrid is 1299 miles.

A car with an engine size like the one he bought costs approximately 11p per mile in fuel.

How much money could the Liverpool fan save by travelling in this car instead of booking flights.
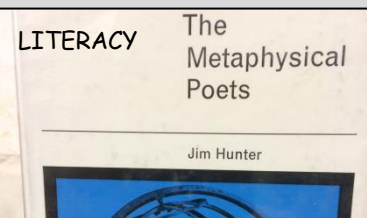
SPORT

Library book borrowed 52 years ago returned with £100 cheque to cover fine

A reader has returned a library book 52 years after it was borrowed, enclosing a £100 cheque to cover the fine.

(a) In what year was the book borrowed?

In this particular library you are allowed to borrow a book for one week. After the week is up, you are fined 15p per day for each day you don't return the book.

LITERACY

The Metaphysical Poets

Jim Hunter

(b) If The Metaphysical Poets was booked out today for the same length of time, how much would the fine be?