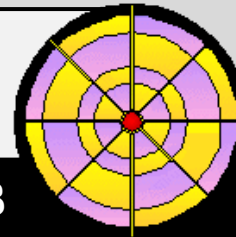


# The Daily Rigour

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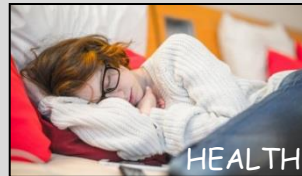
## One in four children 'has too little sleep'

One in four young people in England have too little sleep, a World Health Organization study suggests.

(a) Express this figure as a percentage.

The survey also discovered that a third of girls have too little sleep compared to 23% of boys.

(b) According to the survey, do girls or boys have a higher proportion who don't get enough sleep? You **MUST** give a reason for your answer.



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## Chocolate fans fuming when they discover how many Mini Eggs are in Cadbury's new £5 tins

Chocolate fans are absolutely fuming at the fact that they are getting way less than they bargained for in the new Mini Eggs multipack tins.

At first glance, all seems well with the tins, which contain ten bags of each of the popular chocolates.

They sell in supermarkets for around £5.

But a Twitter user has emptied all the bags and counted all the mini eggs for our information. And when all the packets are emptied out, you're left with a pretty sad-looking state of affairs.

(a) Using your estimating skills, how many mini eggs do you think were in the Twitter user's tin?

(b) Based on your previous answer, now estimate the average number of mini eggs that are in each bag.



You can buy a house in a picturesque Italian town for just €1!

Getting on the property ladder is no mean feat these days - unless you fancy getting yourself a property in Bisaccia in Italy, that is.

The picturesque little town is located in the Campania region - which is situated around the ankle area of the greater boot that is Italy - and 90 properties have been put on the market for one euro!

(a) How much does one of these properties cost in pounds and pence?

(b) How many of these properties could you buy for £10?

EUROPE



Current  
Exchange  
Rate:



£1 = €1.19

## Space cookies: First food baked in space by astronauts

Chocolate chip cookies have become the first food to be baked in space in a first of its kind experiment.



The aim of the experiment was to study cooking options for long-haul trips.

On Earth, it takes about 20 minutes to bake cookies at a temperature of around 150°C.

The astronauts found that, in space, it takes far longer.

The best attempt in space took 2 hours. How many more minutes do chocolate chip cookies need to cook in space than on Earth?