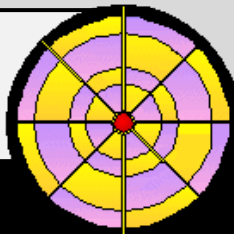


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Boris Johnson gives energy "advice" in final major speech as Prime Minister

In his final major speech as Prime Minister, Boris Johnson gave a piece of advice which could save people money on their energy bills.

He explained that if you have a kettle that takes "ages to boil" you could spend £20 on a more energy efficient kettle and this in turn will save you £10 every year on your energy bills.

- (a) How long would it take a person to save enough on their energy bills to cover the cost of the new kettle?

The average life span of a good quality electric kettle is 5 years.

- (b) How much profit would a person make in total if they kept the new kettle for this recommended amount of time?

On the 1st of October, the average UK household energy bill is set to rise to £3549.

- (c) With this in mind, do you think this is helpful energy advice by the Prime Minister?



Nasa: Artemis Moon rocket second launch attempt called off

The launch of Nasa's new Artemis I Moon rocket is facing a potentially lengthy delay after a second postponement. Controllers tried and failed again on Saturday to get the Space Launch System (SLS) vehicle to lift off. They were thwarted by a fuel leak. We now may not see a third launch attempt before mid October at the earliest.

The SLS is the most powerful rocket ever developed by the US space agency and stands at 100 metres tall.

How tall is the Artemis Moon rocket in;

- (a) centimetres?
(b) millimetres?
(c) kilometres?



Cristiano Ronaldo naps 5 times a day

Manchester United striker Cristiano Ronaldo is insanely dedicated to his craft and is one of the world's best thanks to his state of the art routines. One of which is that takes five naps a day and each nap lasts 90 minutes.

How long does Cristiano spend napping each day?

Give your answer in hours and minutes.



Floppy disks in Japan: Minister declares war on old fashioned technology

Japan's digital minister has "declared war" on floppy disks used by the country's civil servants.

Around 1900 government procedures still require businesses to use the storage devices, but new regulations are to be updated to allow people to use online services.

Floppy disks were used a very long time ago to save electronic documents.



The "game changer" at the time was back in 1986 when IBM introduced the 3½ inch floppy disk with 1.44 megabytes of storage space. This may seem like very little now, but at the time it was hard to imagine needing more space than that.

Rigour Maths provides their differentiated maths software on 8 gigabyte memory sticks.

There are 1000 megabytes in a gigabyte.

How many 3½ inch floppy disks would be needed to give the same amount of storage as a Rigour Maths memory stick?

