



Messier 94 is a spiral galaxy in the constellation Canes Venatici

News

It's exams week this week and hopefully you're not getting too stressed about it all.

If you are feeling a bit stressed, maybe this picture of a panda playing on a rocking horse will help to calm you down a bit. Notice that the rocking horse is also blue, and looking at the colour blue is meant to reduce people's stress levels.¹



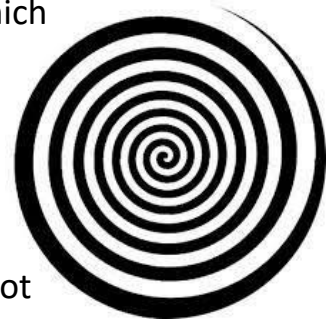
Library Books

Reading can also be relaxing. A while ago, I was asked to recommend some new maths books for the school library and, amazingly, Ms Morris has bought them all! Let us know if you read any of them.



Maths Words

A **spiral** is a curve which starts at a point, and moves farther away from that point as it revolves around it. Many different kinds of spiral exist. Why not see if you can find out more about them? Let us know if you discover anything interesting.



Junior Maths Challenge

On Thursday 28th April, year 7 and year 8 all took part in the UKMT Junior Maths Challenge, and some students did extremely well in this, scoring over 100!² The best scores in each year were Emilie Flanagan in year 7, who scored a very impressive 112, and Yilin Yang in year 8, who scored an amazing 129 out of 135. This means that Yilin will now go through to the Maths Olympiad.

Joke

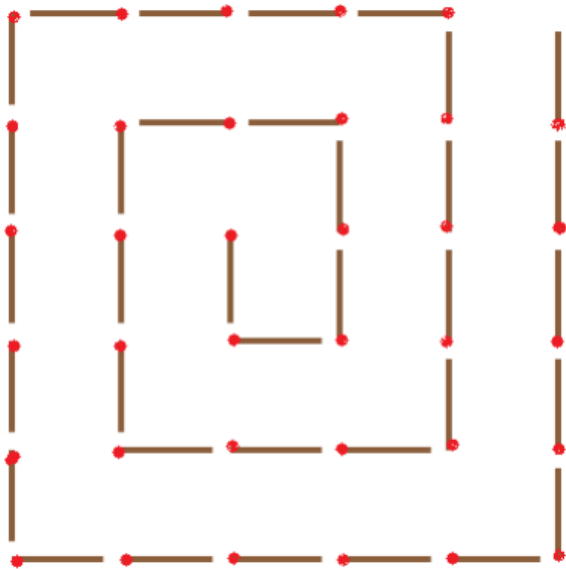
I was recently asked who my favorite vampire was. I said, "the muppet from Sesame Street." They told me, "he doesn't count!" I replied, "I assure you, he does."



1. I know. I appear to have started writing the psychology newsletter by mistake. I'll get back to maths asap.
2. That's 100, not 100 factorial. It's difficult in maths to be both enthusiastic and unambiguous at the same time.

Matchstick Puzzle

Here is a spiral made from 35 matches. Can you move 4 matches to make 3 squares?



Spiral Puzzle

ONE OF THESE SPIRALS IS MADE FROM ONE CONTINUOUS PIECE OF ROPE, JOINED AT THE ENDS. THE OTHER IS MADE FROM TWO SEPARATE PIECES OF ROPE, EACH WITH JOINED ENDS. CAN YOU TELL WHICH ONE IS WHICH?



A.



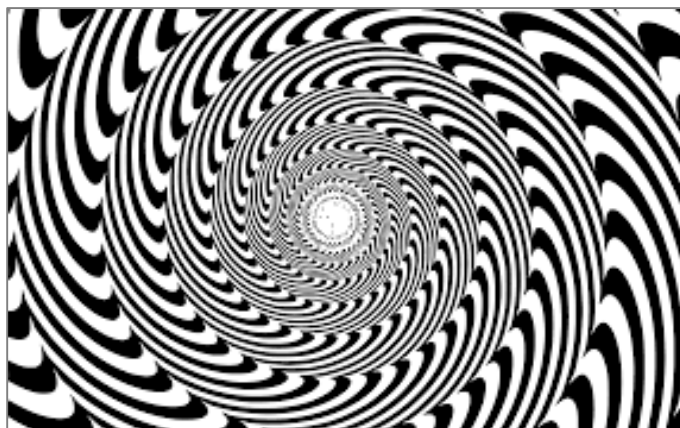
B.

Southampton Winners

Congratulations to Leyla Berriche from 7X and Eshaal Sikandar from 10W, who both won a prize in this year's Southampton University Maths Challenge. If you are new to Camp Hill, you should consider entering some maths competitions. We often win!

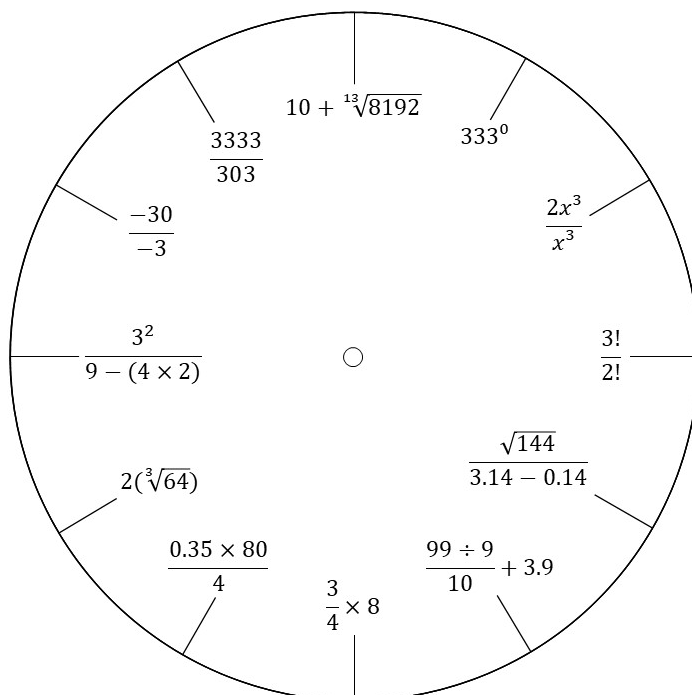
Optical Illusion

Spirals can be used to make optical illusions. Don't look at this for too long though, or you may end up being accidentally hypnotised.



Clock Competition

Ameera Sultan in year 7 recently won a national competition to design a clock face, where all the numbers are replaced with calculations that equal those numbers. Here is her winning design.



Have a look at each one and work them out for yourself. Why not make your own clock face like this? Maybe mix up the sums and get someone else to work out which numbers they represent. 😊