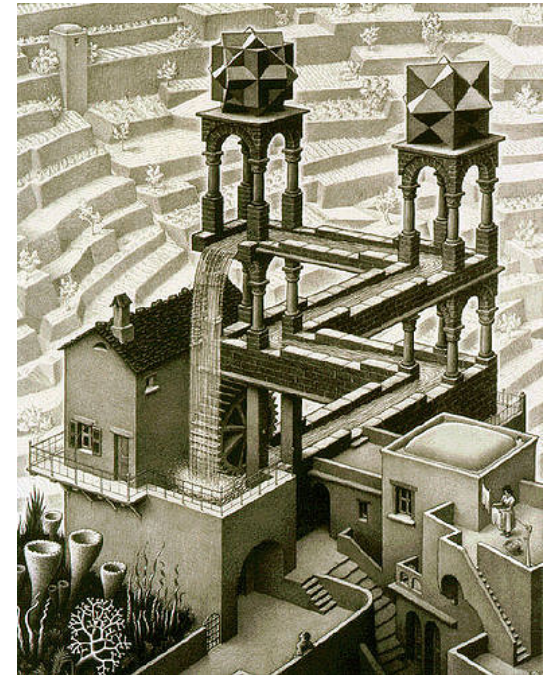


# Impossible objects

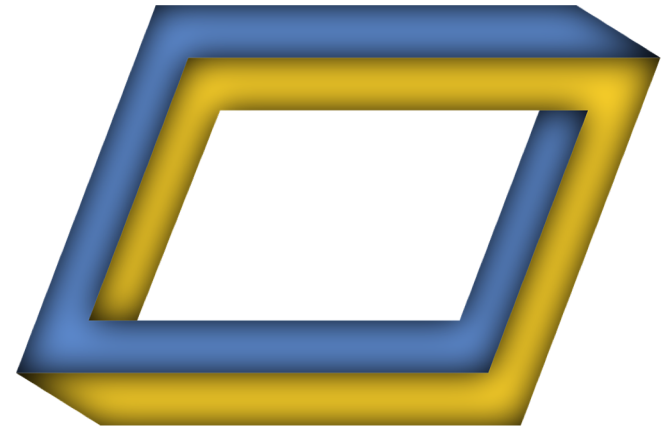
Art in Maths  
Tuesday 2<sup>nd</sup> June 2020



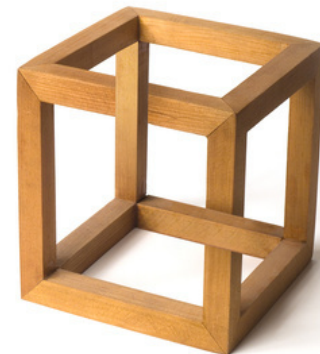
# What do you see?

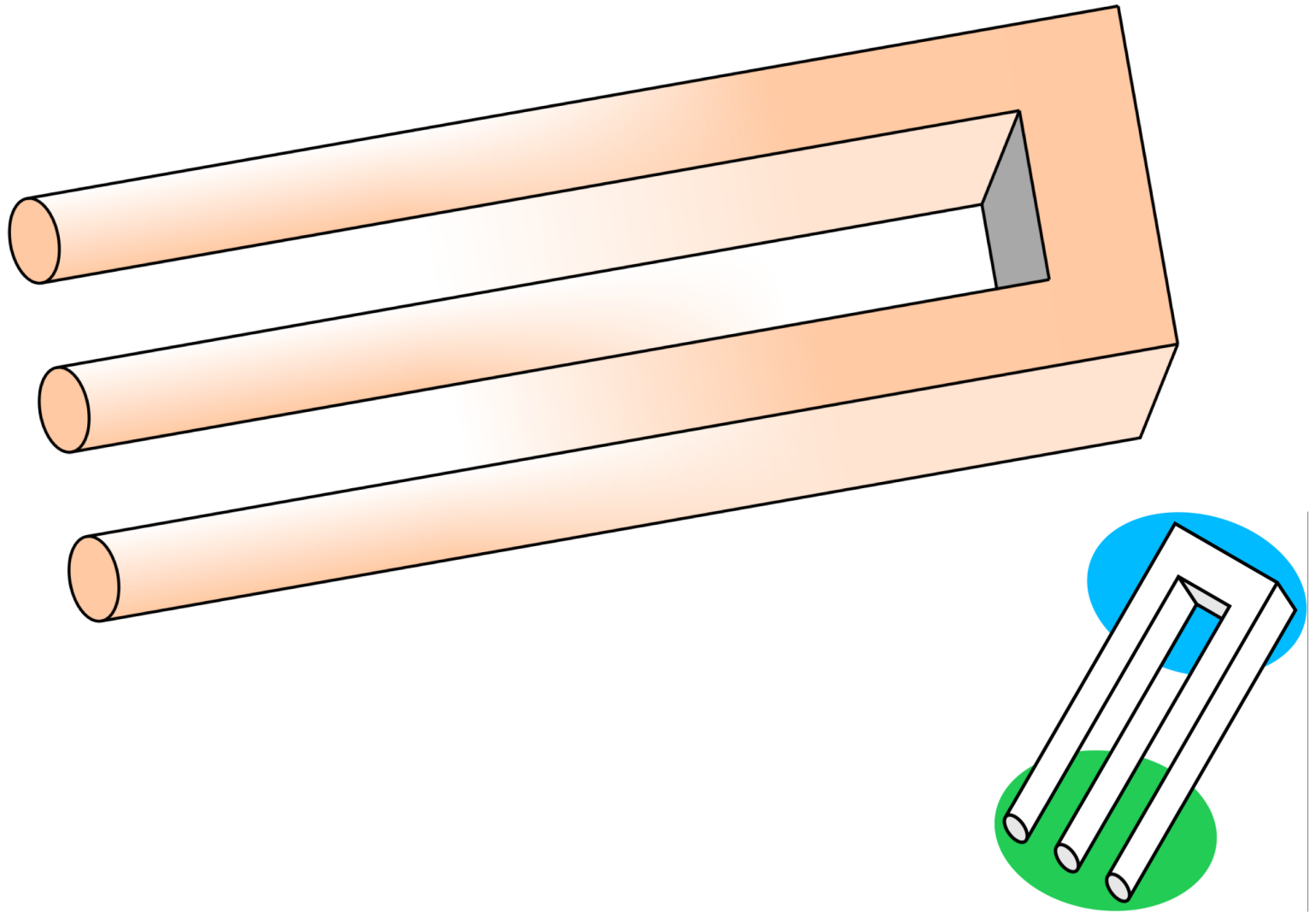
Today we are going to look at some more optical illusions. Look carefully at the next few slides.

What makes each image impossible?  
How did the artist achieve this?



*Penrose 'impossible' Rectangle (above) and an impossible wooden cuboid (below).*

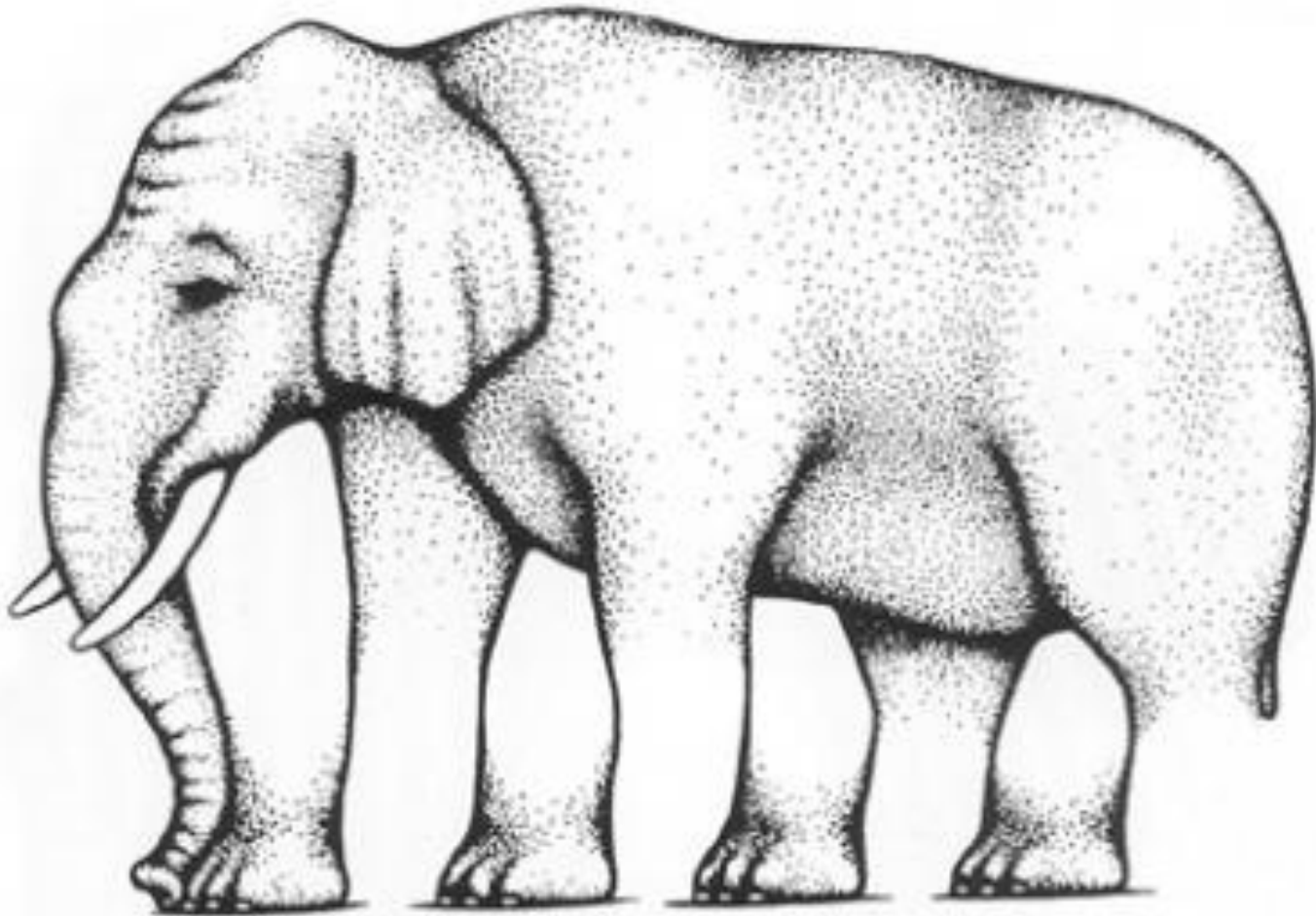




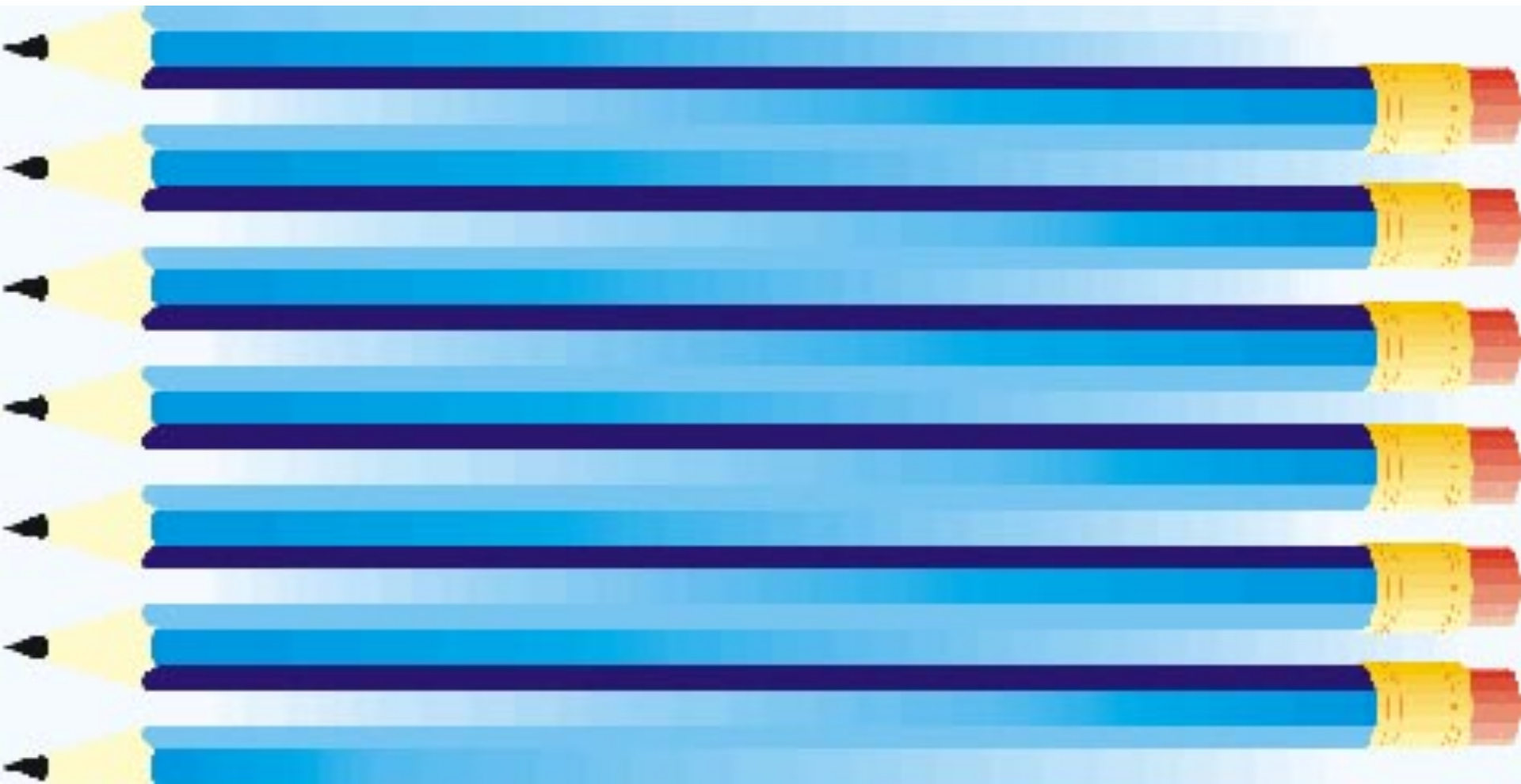
*'The Blivet' or 'Impossible Trident' was created by D. H Schuster.*



*Impossible columns*



*The Elephant [Illusion](#) by R Shepard*



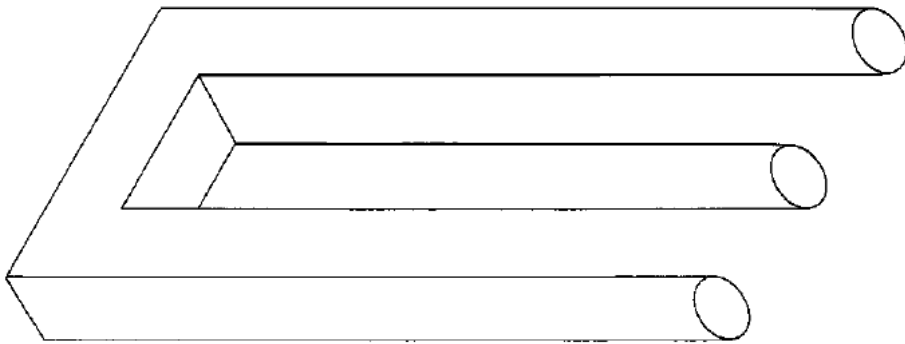
*Impossible pencils!*





*The Railway Bridge, Sandro Del Prete*

# Now to construct your own impossible object



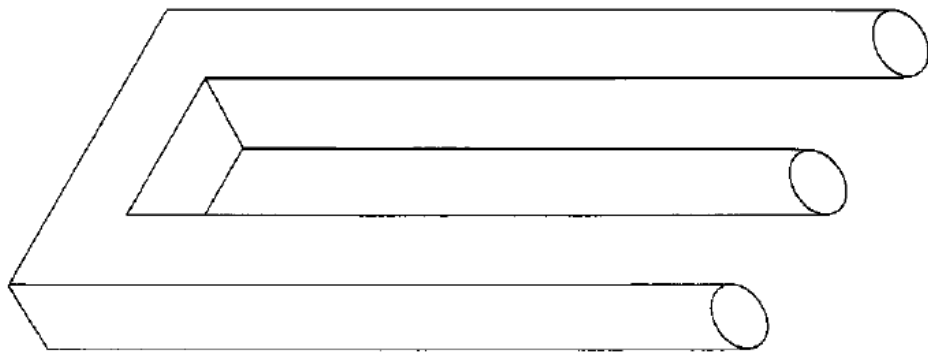
The information on how to construct this is on the following slide.

It would be lovely if you could upload this work to the website!

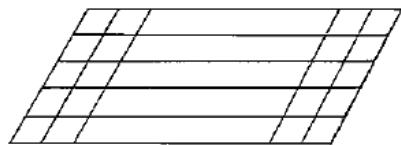


# The 'blivet'

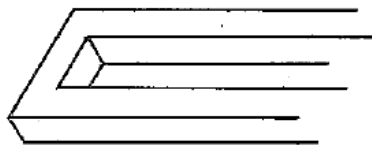
This impossible object is called a 'blivet'.  
Look closely at it to see why it is impossible.



- 1** Draw a 'twisted rectangle grid'.  
Look back at pages 4 and 5  
to see how to do this.



- 2** Draw these lines in thicker.  
This makes the left hand  
end of the blivet.



- 3** Add the curved ends  
to make the right hand end.  
Rub out the lines you  
don't want.

