



Image credits: Ad Meskens via Wikimedia Commons

# “Melancolia” by Albrecht Durer

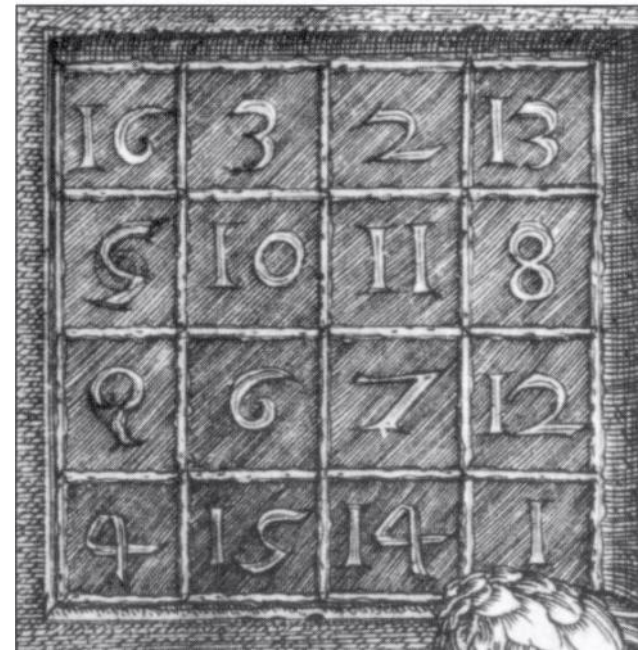
- German artist lived 1471-1528
- Durer was interested in the links between art and maths



What do you notice about the numbers in the magic square?

What is the magic total? **34**

Durer lived from 1471-1528. There is a clue in the magic square as to when the picture was painted. Can you guess which year it was painted?



**1514 (in centre bottom row)**

# The Passion Façade of the Sagrada Familia, Barcelona

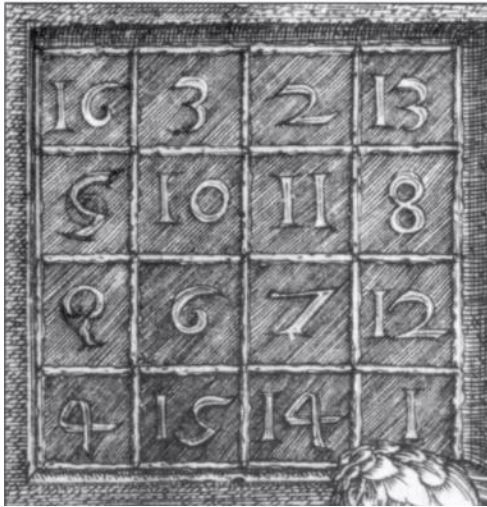


# The Passion Façade of the Sagrada Familia, Barcelona

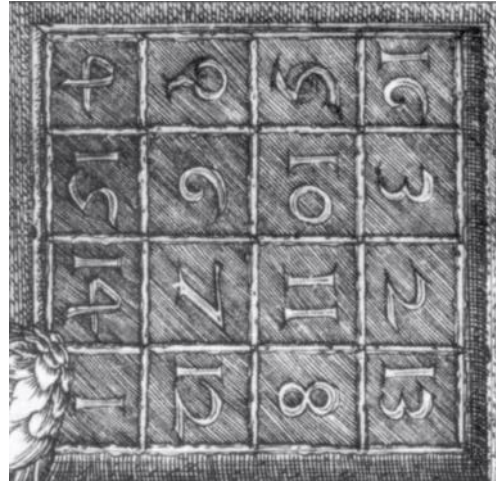
- What do you notice about this magic square?
- What is its magic total? **33**
- How is it different to the Durer one?
- How is it the same as the Durer one?



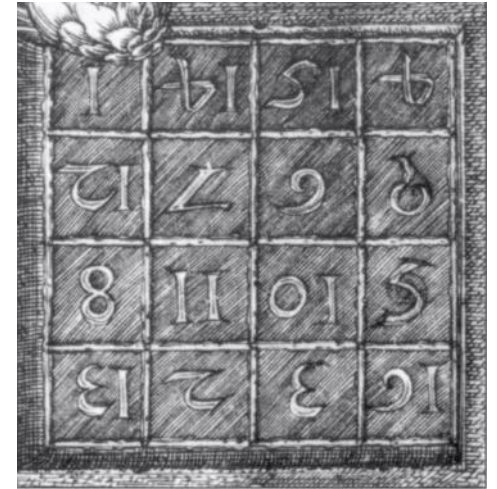
Take Durer's magic square



Turn it through 90°



Turn it through 90° again



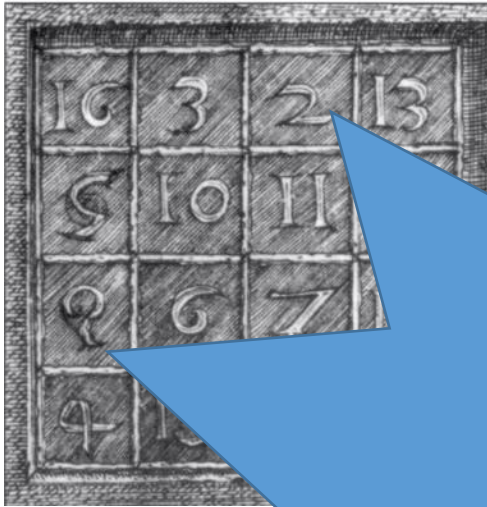
Compare the two magic squares



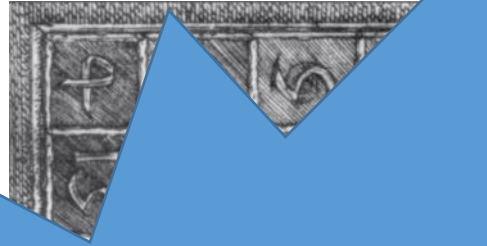
1	14	15	4
12	7	6	9
8	11	10	5
13	2	3	16

(Easy to read version of upside down Durer square)

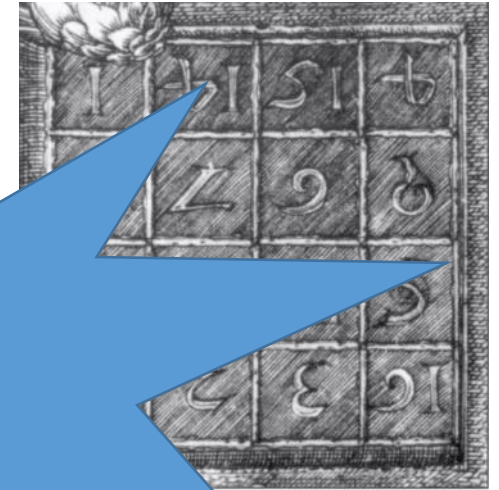
Take Durer's magic square



Turn it through 90°



Turn it through 90° again



Essentially they're the same!!

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8	11	10	5
13	2	3	16

(Easy to read version of upside down Durer square)