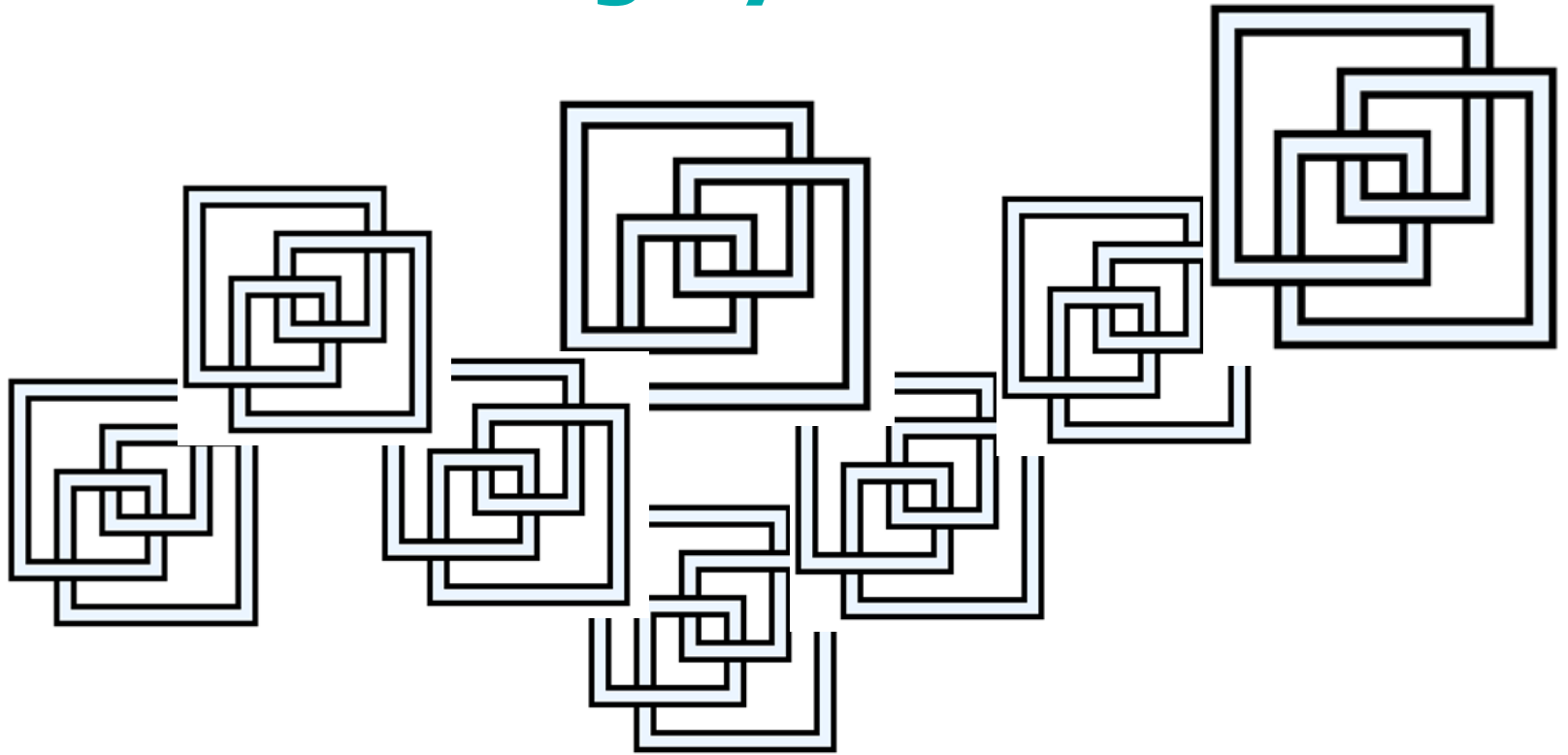


# Royal Institution Primary Maths Masterclasses

## Off the shelf Masterclass: **Being Systematic**

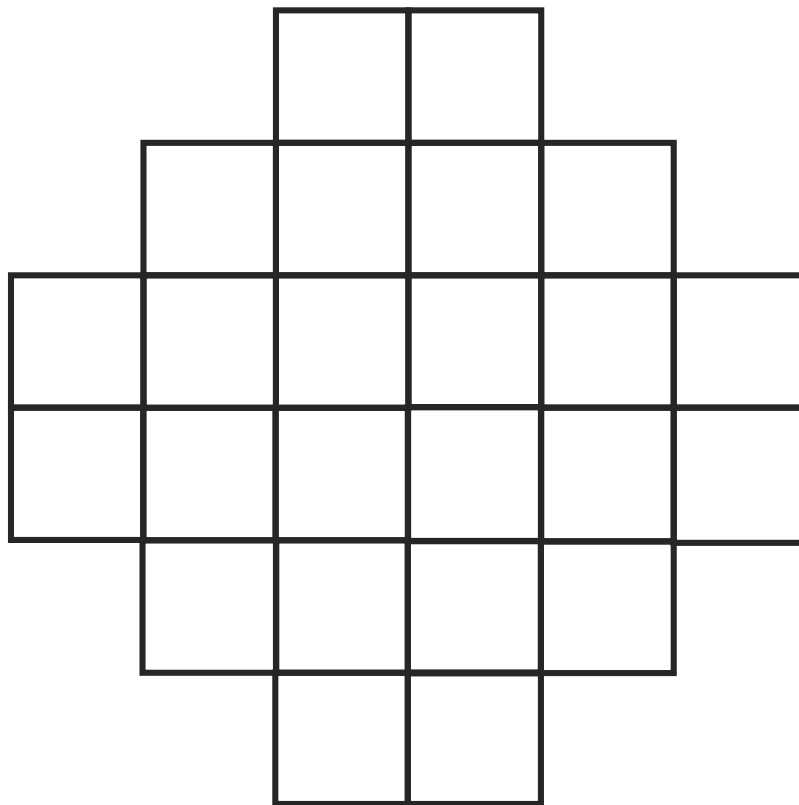


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Masterclass network

# How many squares?

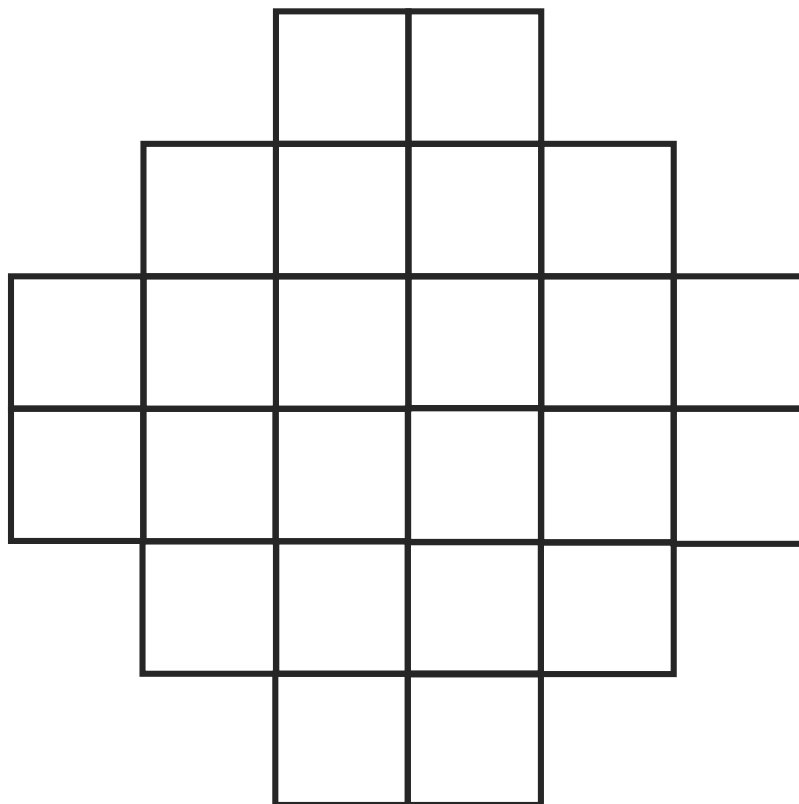


Can you work out how many squares are in this shape?  
Can you be sure you haven't missed any?  
Can you be sure you haven't counted any twice?

# Answers on the next slide

- Do not look at the next slide until you have had a go yourself.

# How many squares?



1x1 squares: 24

2x2 squares: 13

3x3 squares: 4

4x4 squares: 1

Total:

$$24 + 13 + 4 + 1 = 42 \text{ squares}$$

Can you work out how many squares are in this shape?  
Can you be sure you haven't missed any?  
Can you be sure you haven't counted any twice?