

Mr Brown Challenge Maths Day 2

Hi team, after the bar modelling, have a go at this problem from [NRICH](#) it's called Seven Squares.

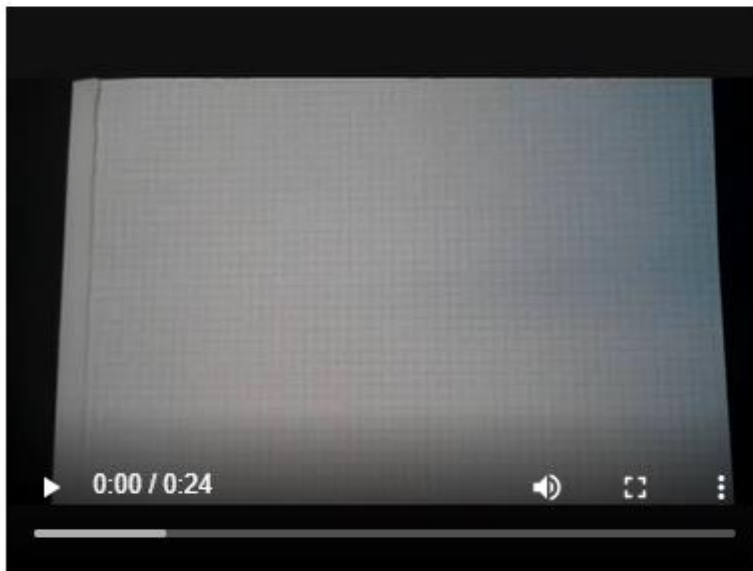
Essentially, three children are asked to draw the same shape but they all have different approaches. Can you work out, using their approach, how many 'downs' and inverted C's there would be if you followed each child's approach to the problem?

I think it's easier if you click on the link and watch the videos! Remember, the answers can be found in the solution tab.

Three students were asked to draw this matchstick pattern:



This is how Phoebe drew it:



Can you describe what Phoebe did?

How many 'downs' and how many inverted C's are there?
How many matchsticks altogether?

Now picture what Phoebe would do if there had been 25 squares.
How many 'downs' and how many inverted C's would there be?
How many matchsticks altogether?