

18 There is a sequence of pattern cards with numbers



pattern number 1



pattern number 2



pattern number 3

(a) Is the area covered by pattern number 2



(b) Complete the table

| Pattern number | Area covered |
|----------------|--------------|
| 1              | 1            |
| 2              | 8            |
| 3              | 8            |
| 4              | 16           |

(c) Find an expression, in terms of  $n$ , for the area covered by pattern number  $n$

Problem 19 (continued)

(a) Find an expression, in terms of  $n$ , for the area covered by pattern number  $n$

(b) Find an expression, in terms of  $n$ , for the perimeter of pattern number  $n$

# Gcse Edexcel Maths November 2014 Paper

**Craig Barton**



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