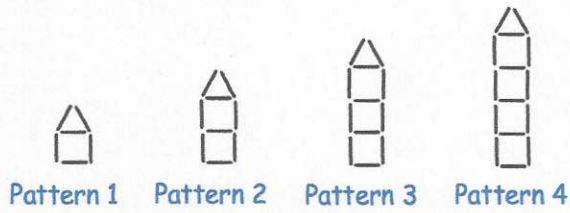


23rd September



Corbettmaths

Patterns are made of sticks



Complete the table for Pattern 4.

Pattern Number	1	2	3	4
Number of Sticks	6	9	12	15

$\frac{1}{3}$  of 30 =  $\frac{2}{3}$  of .....

Handwritten:  $\frac{1}{3}$  of 30 = 10  
 $\frac{2}{3}$  of 15 = 10

Expand  $3(2y - 1)$

Handwritten:  $6y - 3$

Simplify

$w^3 \times w^{-5}$     Handwritten:  $w^{-2}$

In 2000 the population of a country was 4,580,000  
 By 2015, the population had increased by 18%

Work out the population in 2015

Handwritten:  $4580000 \times 1.18$   
 $5,404,400$