

**16th December**



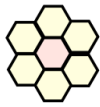
Corbettmaths

Michael received a pay rise of 14%.  
He now receives £319.20 a week.

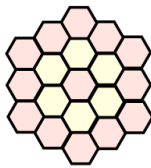
What was his weekly salary?



Pattern 1



Pattern 2



Pattern 3

Here is a sequence of patterns made from these tiles.  
How many of these tiles are needed to make Pattern number 8?



The bearing of person C from person A is  $065^\circ$

The bearing of person C from person B is  $280^\circ$

In the space above, mark the position of person C with a cross (x). Label it C.

Write down the exact value of  $\tan 0^\circ$

Write down the exact value of  $\tan 180^\circ$