

16th December



Corbettmaths

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

What was his weekly salary?

$$114\% = 319.20$$

$$14\% = 2.8$$

$$100\% = \text{£}280$$



Pattern 1

Pattern 2

Pattern 3

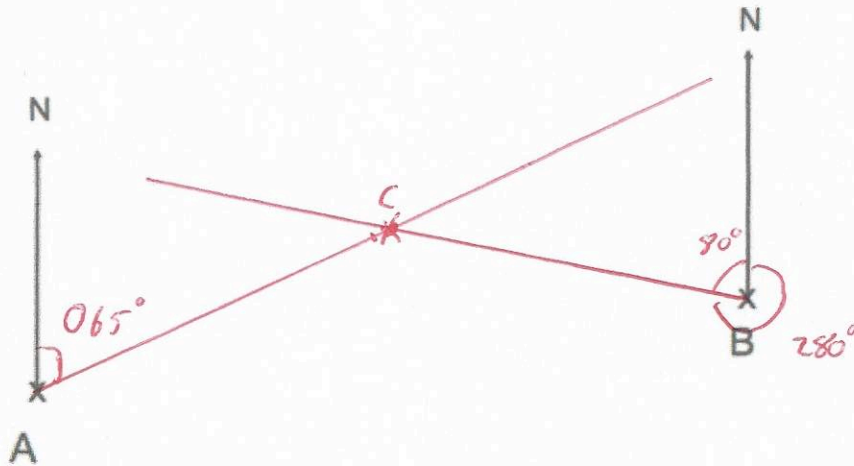
$$1 \xrightarrow{+6} 7 \xrightarrow{+12} 19$$

Here is a sequence of patterns made from these tiles.

How many of these tiles are needed to make Pattern number 8?

Pattern	4	5	6	7	8
tiles	37	61	91	127	169
		+24	+30	+36	+42

+18



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  $\tan 0^\circ$

0

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

0