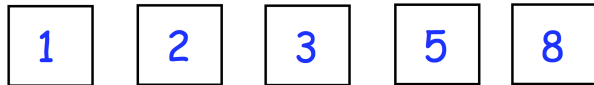


**1st August**

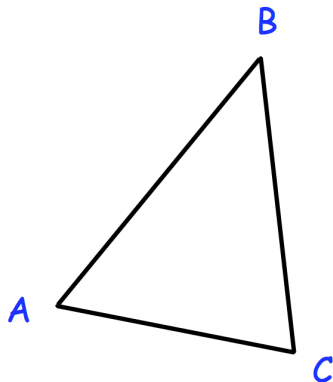
Corbettmaths

Factorise fully  $7a^5b^2 - 4a^4b^3 + 9a^6b$ 

Chris makes 5-digit numbers using all of the cards below.



How many different odd numbers less than 50000 can he make?



James is at the point A.  
He then walks 130m to the point B.  
Angle ABC =  $32^\circ$  and Angle BAC =  $78^\circ$

Find the distance AC

James carries on walking in the same direction for a further 50m to point D.

What is the bearing of D from C?