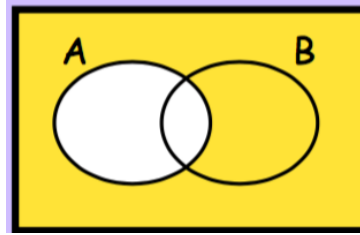


11th October

Corbettmaths

Which region is shown in yellow?

A A' B B'



Work out the nth term of the sequence

8, 11, 16, 23, 32 ...

The ratio of Matt's age to Paul's age is $x:y$

Two years ago, the ratio of their ages was 5:8

In three years time, the ratio of their ages will be 2:3

Express $x:y$ in its lowest termsThe distance between $(-3, a)$ and $(5, 1)$ is 17 units.Find two possible values for a .The numbers m and n are irrational and are not the same. $m + n$ is rationalWrite down possible values for m and n