

2nd March

Corbettmaths

Make m the subject

$$\frac{3m + 2}{c} = \frac{m + 1}{a}$$

The time taken, t , for the passengers to be checked-in for a flight is inversely proportional to the square of the number of staff, s , working.
It takes 30 minutes for passengers to be checked-in when 10 staff are working.

Find an equation connecting t and s .Solve $x^2 + 6x + 3 = 0$ giving your answers in surd form.Solve the inequality $x^2 + 6x + 3 < 0$

There are 12 counters in a bag.
8 are green
3 are white
1 is red

Conor takes two counters at random from the bag. Work out the probability that Conor takes two counters of different colours.

Find the area of the triangle.

