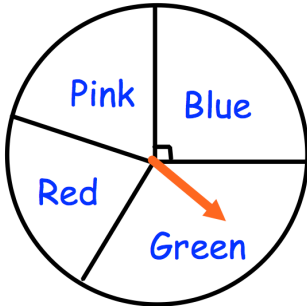


1st November

Corbettmaths

$$(3y + 5)(y - 2) + ay + b \equiv 3y^2 + y - 4$$

Find the values of a and b



Work out the angle of the green sector

The fair spinner above is spun twice.

The probability of getting two greens is $\frac{4}{25}$

The spinner is spun another three times.

Work out the probability of obtaining one green and two blues.

A sequence of numbers is formed by the iterative process of

$$a_{n+1} = (a_n)^3 - (a_n)^2$$

$$a_1 = 2$$

Find

$$a_3$$

Write in the form $a\sqrt{b}$

$$\sqrt{27} + \frac{18}{\sqrt{3}}$$