

29th September



Corbettmaths

Where does the line $y = 2x + 5$ cross the x-axis?

$$(-2.5, 0)$$

A biased coin is flipped twice.

The probability of the coin landing on tails is 0.7

0.3

Find the probability the coin lands on heads twice.



$$P(HH) = 0.3 \times 0.3 = 0.09$$

Simplify

$$\frac{x}{5} + \frac{3x}{7}$$

$$\frac{7x}{35} + \frac{15x}{35}$$

$$\frac{22x}{35}$$

Write 0.411111... as a fraction

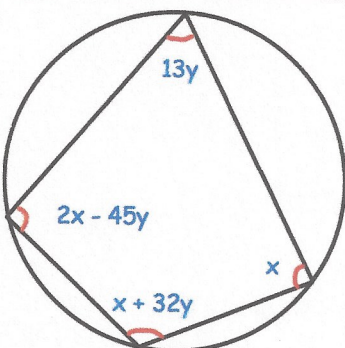
$$x = 0.411111\dots$$

$$10x = 4.1111\dots$$

$$100x = 41.1111\dots$$

$$90x = 37$$

$$x = \frac{37}{90}$$



$$3x - 45y = 180$$

$$45y + x = 180$$

$$4x = 360$$

$$x = 90$$

Find x and y

$$x = 90$$

$$y = 2$$