

19th June



Corbettmaths

$y = 2x$	$y = \frac{1}{2}x + 1$
$y = 3x + 2$	$y = -5x$
$y = 5x - 4$	$y = -2x + 3$
	$y = 3x - 2$

From the box, write down the equations of the lines that are parallel

$$y = 3x + 2$$

$$y = 3x - 2$$

From the box, write down the equations of the lines that are perpendicular

$$y = \frac{1}{2}x + 1$$

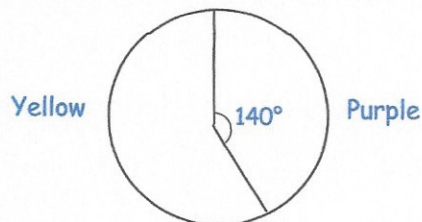
$$y = -2x + 3$$

From the box, write down the equations of the lines that pass through (1, 1)

$$y = 5x - 4$$

$$y = -2x + 3$$

$$y = 3x - 2$$



In an election there are two parties to vote for, the Yellow party or the Purple party.

1016 more people voted for the Yellow party than the Purple party.

Work out the total number of voters

$$\text{Yellow} = 220^\circ$$

$$80^\circ = 1016$$

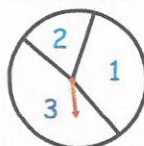
$$8^\circ = 101.6$$

$$360^\circ = 4572$$

Shown is a spinner

The probability of a 1 is $3x$
 The probability of a 2 is x
 The probability of a 3 is $4x$

Calculate the value of x



$$x + 3x + 4x = 1$$

$$8x = 1$$

$$x = \frac{1}{8}$$

The spinner is spun twice and the scores are multiplied together.

Find the probability that final score is odd.

$$\frac{44}{64}$$

$$1, 1 \rightarrow \frac{3}{8} \times \frac{3}{8} = \frac{9}{64}$$

$$1, 3 \rightarrow \frac{3}{8} \times \frac{4}{8} = \frac{12}{64}$$

$$3, 1 \rightarrow \frac{4}{8} \times \frac{3}{8} = \frac{12}{64}$$

$$3, 3 \rightarrow \frac{4}{8} \times \frac{4}{8} = \frac{16}{64}$$

$$\frac{49}{64}$$