

8th February



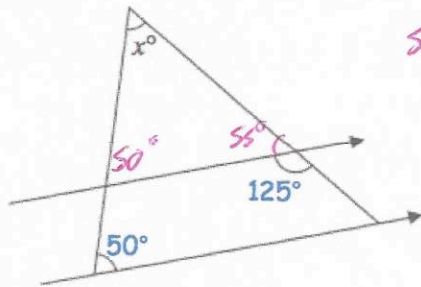
Corbettmaths

Write 32000000000 in standard form.

$$3.2 \times 10^{10}$$

Write  $3.5 \times 10^3$  as an ordinary number

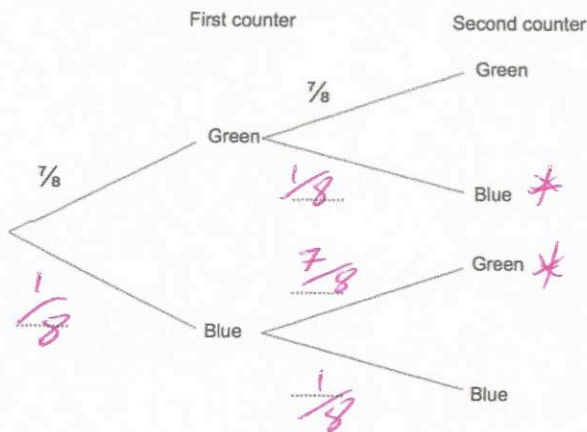
$$3500$$



$$50 + 55 = 105$$

Find x

$$180 - 105 = 75^\circ$$



There are green and blue counters in a container. Kevin takes at random a counter from the container. He replaces the counter in the container. Kevin takes at random a second counter from the container.

Complete the tree diagram.

Work out the probability Kevin picks counters that are different colours.

$$\frac{7}{8} \times \frac{1}{8} = \frac{7}{64}$$

$$\frac{1}{8} \times \frac{7}{8} = \frac{7}{64}$$

$$\frac{14}{64} = \frac{7}{32}$$

Factorise  $x^2 - 38x + 72$

$$(x - 36)(x - 2)$$

$$x = 36 \text{ or } x = 2$$