22nd October
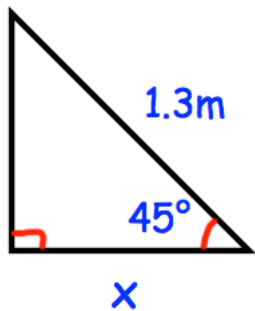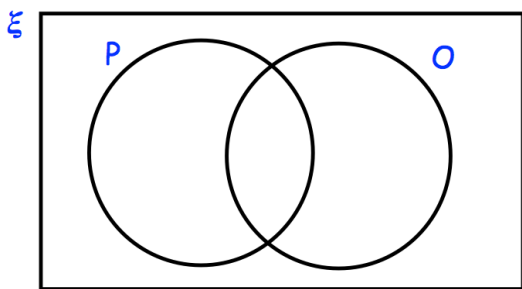
The population of the United Kingdom in 1950 was 5.06×10^7
The population of the United Kingdom in 2015 was 6.47×10^7

Work out how many more people live in the United Kingdom in 2015 than 1950.
Give your answer as an ordinary number.

Find x

1.3m

45°

x

Barry buys 200 pieces of stationary for £76.
Of the 200 pieces of stationary, x of them are rulers that cost 50p each and y of them are pens that cost 20p each.
Find how many rulers Barry buys and how many pens he buys.

ξ

P   O

ξ = {1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13}
O = Odd numbers
P = Prime numbers

Complete the Venn diagram

A number is chosen at random

Find P(O ∪ P)

A number is chosen at random

Find P(O ∩ P)