Name: _____ 5-a-day Foundation Plus

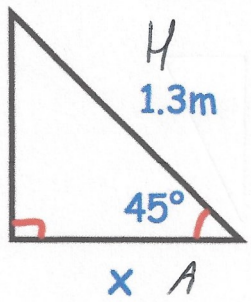
**22nd October**

Corbettmaths

The population of the United Kingdom in 1950 was $5.06 \times 10^7$
The population of the United Kingdom in 2015 was $6.47 \times 10^7$

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

14100000




C A H

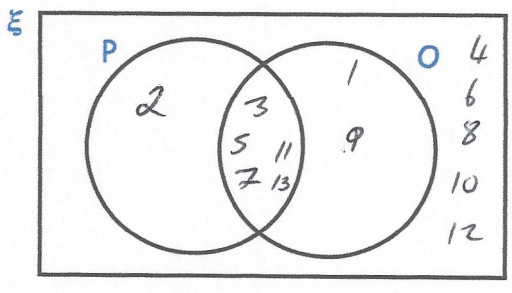
Find x

$\cos(45) \times 1.3$

0.919 m

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.

$x + y = 200$ —①
$0.5x + 0.2y = 76$ $\times 2$
$x + 0.4y = 152$ —②
① − ② $= 0.6y = 48$
$y = 80$ $x = 120$




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) $\frac{8}{13}$

A number is chosen at random

Find P(O ∩ P) $\frac{5}{13}$