

The area of the parallelogram is 30cm^2
Find the size of x .

$$4x + 12 = 30$$

$$4x = 18$$

$$x = 4.5 \text{ cm}$$

Factorise $y^2 - 13y + 36$

$$(y - 4)(y - 9)$$

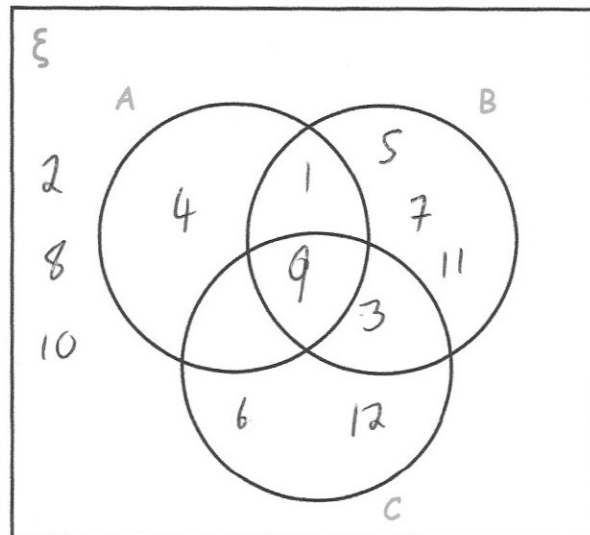
$\xi = \{1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12\}$

A = square numbers 1 4 9

B = odd numbers 1 3 5 7 9 11

C = multiples of 3 3 6 9 12

Complete the Venn diagram



A number is chosen at random

Find the probability that the number is a member of $A \cup C$

$$\frac{6}{12} = \frac{1}{2}$$

The population of a country is 2.85×10^6
The number of people that own a rabbit is 1.24×10^5

Calculate the percentage of the population that own a rabbit.

$$\frac{1.24 \times 10^5}{2.85 \times 10^6} \times 100 = 4.35\%$$