12th February

The population of country A is $4.5 \times 10^6$

The population of country B is $1.2 \times 10^7$

Work out the difference between the population of country A and country B. Give your answer in standard form.

Twenty years ago, the population of country A was $3.8 \times 10^6$.

Work out the percentage increase in population of country A over the past twenty years.

A is directly proportional to the square of B.

When $B = 10$, $A = 20$.

Find $A$ when $B = 20$

A bag contains 6 yellow sweets and 4 blue sweets. A sweet is taken out at random, it is replaced, and another is taken out.

Find the probability that at least one sweet is blue.

Calculate the size of angle ABC

![Triangle Diagram](image.png)