1 A biased spinner can land on A, B or C.

The table shows the probabilities, in terms of k, of A, B and C.

	A	**B**	**C**
Probability	$0.5k$	$7k - 0.15$	$2.5k$

Work out the probability of B.

[3 marks]

Answer _____

2   In a class there are

   n boys

   a total of 25 students.

Two of the students are chosen at random.

The probability that both students are boys is $\dfrac{7}{20}$

Work out the value of n.

[4 marks]

$n =$ _____