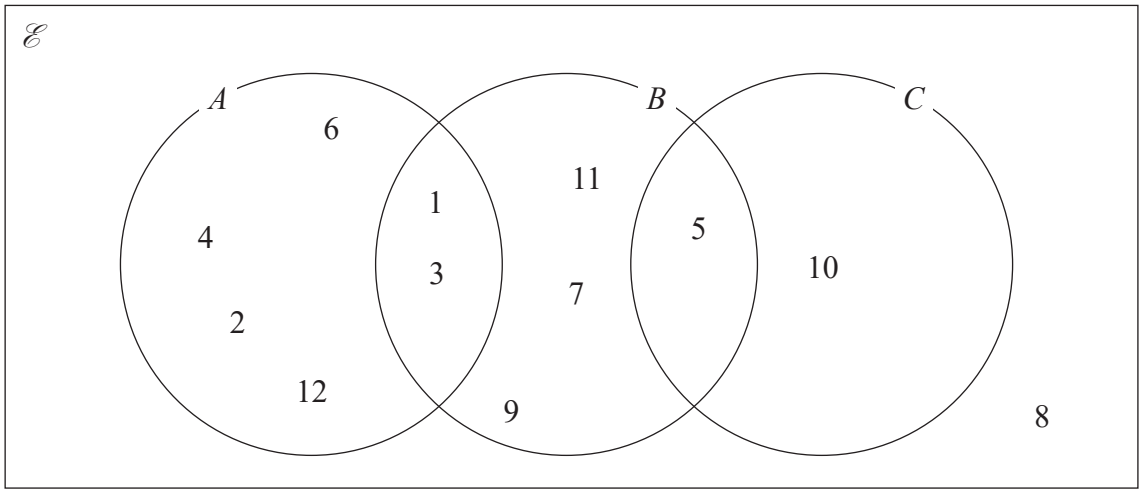
**4** Here is a Venn diagram.




(a) Write down the numbers that are in the set

(i) $A$

.....

(ii) $B \cup C$

.....

**(2)**

Brian writes down the statement $A \cap C = \varnothing$

(b) Is Brian's statement correct?
You must give a reason for your answer.

.....

.....

**(1)**

One of the numbers in the Venn diagram is picked at random.

(c) Find the probability that this number is in set $C'$

.....

**(2)**

**(Total for Question 4 is 5 marks)**

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