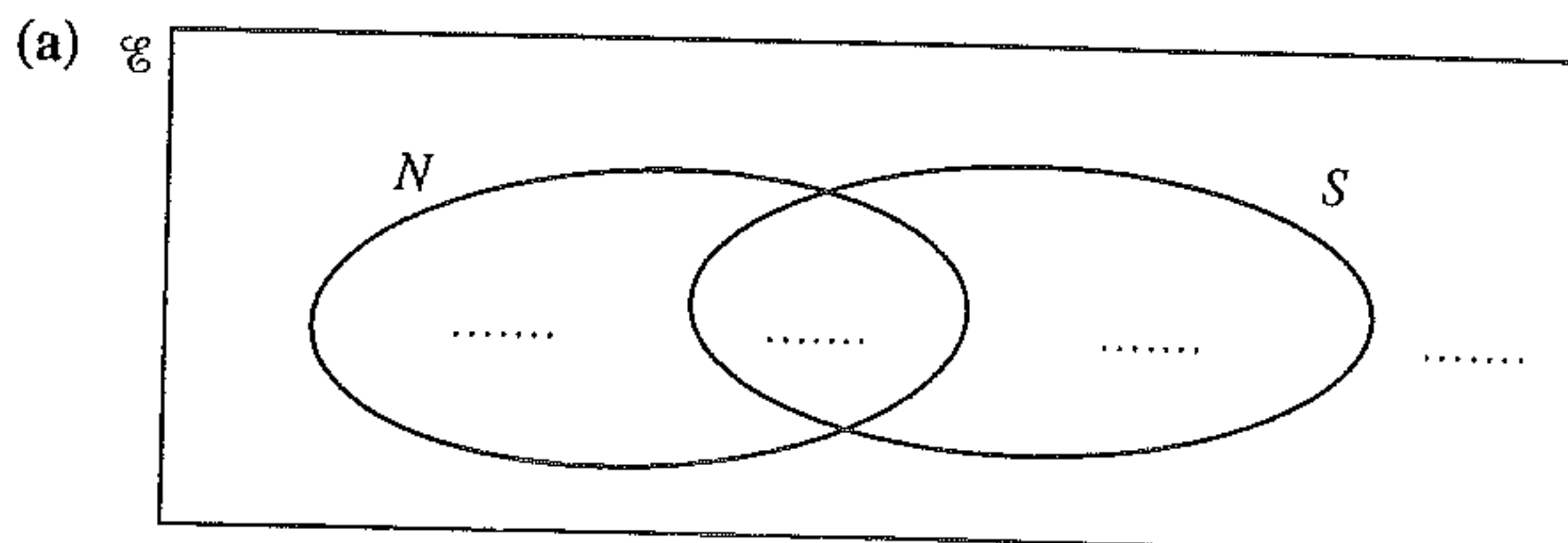


IGCSE – VENN DIAGRAMS 3

Oct 01 Paper 2

- 23 One of 36 tourists on holiday in Namibia and South Africa is chosen at random.
 The probability that he has been to South Africa before is $\frac{1}{2}$.
 The probability that he has been to Namibia before is $\frac{4}{9}$.
 The probability that he has been to neither country before is $\frac{1}{3}$.



The set N represents those who have been to Namibia before.

The set S represents those who have been to South Africa before.

Calculate and fill in the number of tourists in each part of the Venn diagram above. [4]

- (b) Write down the probability that one of the tourists, chosen at random, has been to both countries before.

Answer (b)..... [1]

May 02 Paper 2

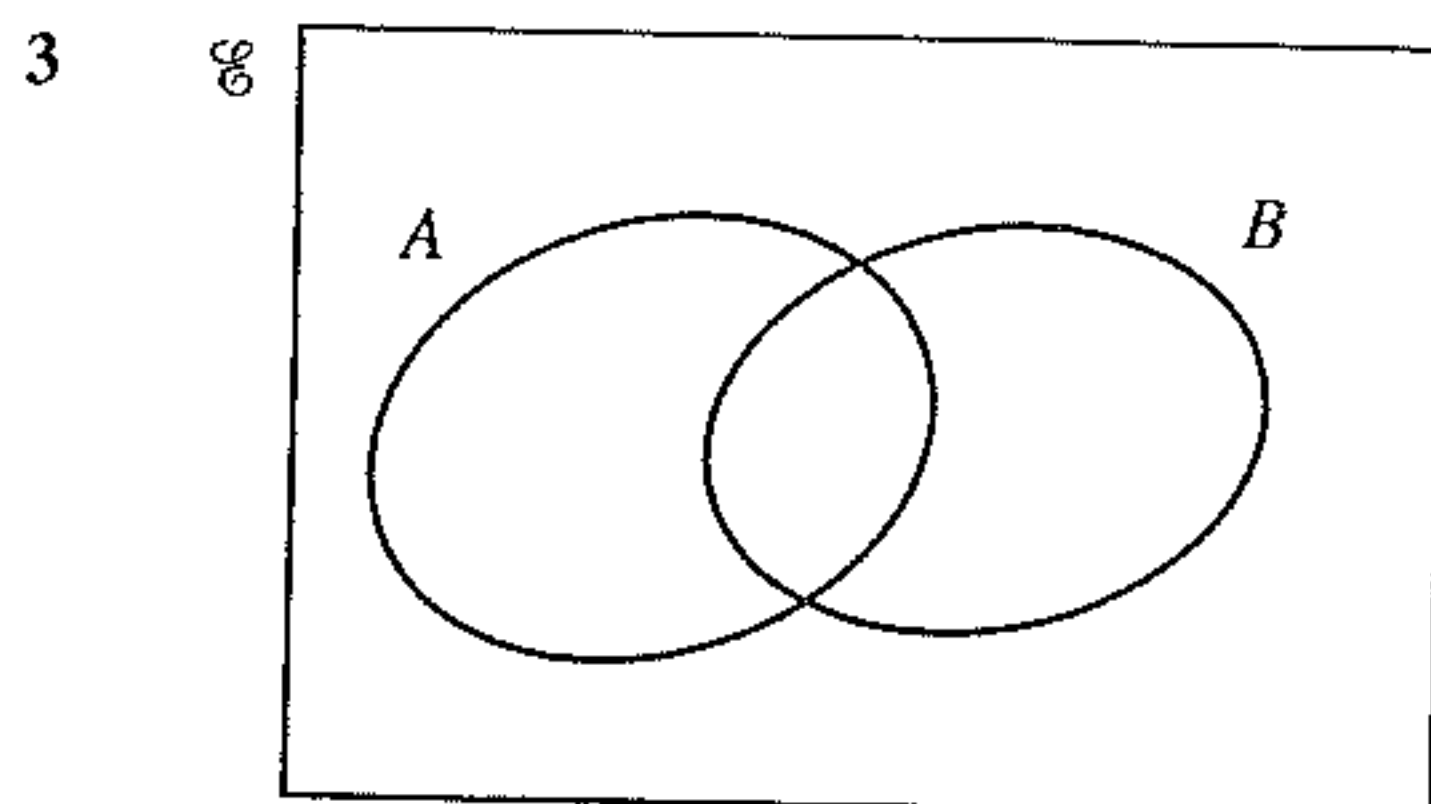


Diagram 1

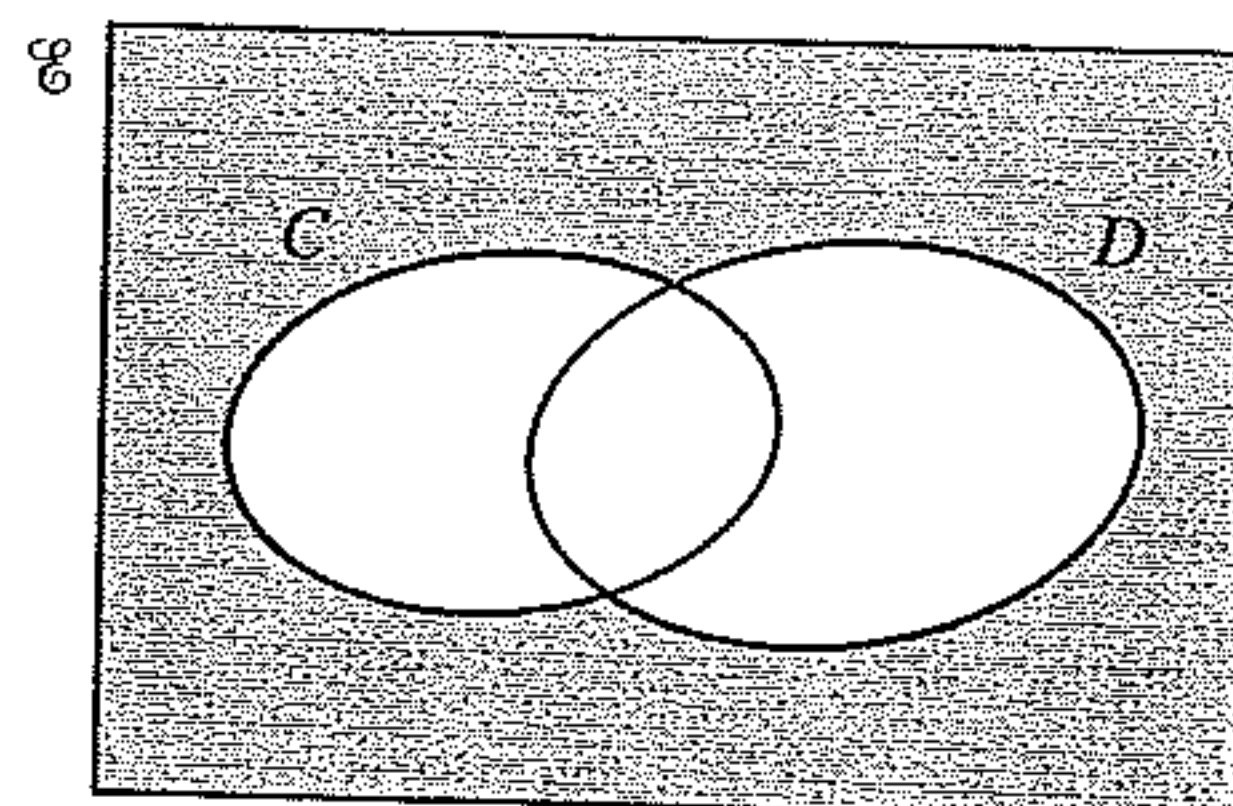


Diagram 2

- (a) In Diagram 1, shade the area which represents $A \cup B'$. [1]
 (b) Describe in set notation the shaded area in Diagram 2.

Answer (b) [1]