11 Greg is organising a day out for his students.
Each of his students has to choose to take part in at least one activity chosen from rock climbing (R) and canoeing (C).

The cost for rock climbing is \$42
The cost for canoeing is \$34
The total cost for all the activities chosen by the students is \$3702

Given that $n(R \cap C') = 32$ and that $n(R \cup C) = 68$

find the number of Greg's students who chose to take part in both rock climbing and canoeing.

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(Total for Question 11 is 3 marks)