15 (a) $x \times 10^5 + y \times 10^3 = k \times 10^5$

Express k in terms of x and y.
Give your answer in its simplest form.

$k = $ ....
(2)

(b) Calculate $(8.5 \times 10^{64}) \times (4 \times 10^{68})$
Give your answer in standard form.

....
(2)

(Total for Question 15 is 4 marks)