

Question	Working	Answer	Mark	Notes
<b>1(a)</b>		56170	1	B1
<b>(b)</b>	$1.368 \times 10^9 - 2.144 \times 10^7$ or 1346560000			M1 for evidence of the correct subtraction (so M0 for $2.144 \times 10^7 - 1.368 \times 10^9$ unless recovered later) or for a correct answer (to at least 3 significant figures) in non-standard form (e.g., 1346560000, $13.4656 \times 10^8$ , 1350000000, etc.). The correct answer implies this mark
		$1.34656 \times 10^9$	2	A1 allow answers which round to (awrt) $1.35 \times 10^9$
<b>(c)</b>	$\frac{5.617 \times 10^4}{2.166 \times 10^6}$ or 0.02593...			M1 for evidence of division of the correct two values (condone for M1 $\frac{2.166 \times 10^6}{5.617 \times 10^4}$ ) or a correct answer (to at least 3 significant figures) in non-standard form (e.g., 0.0259, $0.259 \times 10^{-1}$ , 0.0259326, etc.) or for $2.59 \times 10^{-n}$ where $n$ is a positive integer
		$2.59 \times 10^{-2}$	2	A1 for awrt $2.59 \times 10^{-2}$ (e.g., $2.593259464 \times 10^{-2}$ scores both marks, but M1A0 for $2.6 \times 10^{-2}$ if more accurate answer not seen)
<b>Total 5 marks</b>				