

Q1 June 2017

15	(a)		0.47	B1	
	(b)		2.28×10^9	M1	for correct value but not in standard form, eg $22.8 \times 10^{3+5}$, 228×10^7 , 2 280 000 000 or for 2.28×10^n , $n \neq 9$
				A1	cao

Q2 June 2019

27	(a)	5.62×10^{-3}	B1	cao
	(b)	1452	B1	cao

Q3 Nov 2018

27	(a)	7.547×10^{-5}	B1	cao	
	(b)	34200	B1	cao	
	(c)	3.082×10^{15}	M1	for $\frac{23000 \times 6700}{0.00000005}$ OR for one calculation eg 1.541×10^8 or 154 100 000 or 4.6×10^{11} or 1.34×10^{11}	
			A1	for 3.082×10^{15} oe	Answer could be given as an ordinary number.

Q4 Nov 2019

27		4.56×10^{-2}	M1	for $0.000000342 \div 0.0000075$ OR for 0.0456 oe eg 0.456×10^{-1} or 45.6×10^{-3} or $\frac{57}{1250}$ OR for an answer of 4.56×10^n
			A1	cao

Q5 Nov 2024

27		3.125×10^7	M1	for $(k =) (1.25 \times 10^{-12}) \div (4 \times 10^{-20})$ or for the digits 3125	Condone missing brackets on division 3.1×10^7 or 3.12×10^7 or 3.13×10^7 will score M1A0
			A1	cao	