

## TAKE 5 ... STANDARD FORM - CONVERSION

### Q1.

Question	Working	Answer	Mark	Notes
(a)		$1.25 \times 10^5$	1	B1 cao
(b)		0.0008	1	B1 cao

### Q2.

Question	Working	Answer	Mark	Notes
(a)		$3.7 \times 10^{-3}$	1	B1 cao
(b)		49 000	1	B1 cao

### Q3.

PAPER: 5MB2H_01				
Question	Working	Answer	Mark	Notes
(a)		$1.52 \times 10^8$	2	M1 for $1.52 \times 10^n$ or $1.5 \times 10^n$ or $152 \times 10^6$ A1 cao
(b)		0.0024	1	B1 cao

### Q4.

PAPER: 5MB2H_01				
Question	Working	Answer	Mark	Notes
	$0.0034 \times 10^5 = 340$ $34 \times 10^{-5} = 0.00034$ $-3.4 \times 10^{-3} = -0.0034$ $3.4 \times 10^4 = 34\ 000$ $34 \times 10^2 = 3400$	$-3.4 \times 10^{-3}$ $34 \times 10^{-5}$ $0.0034 \times 10^5$ $34 \times 10^2$ $3.4 \times 10^4$	3	M1 for changing at least 1 correctly to standard form or for changing at least 1 correctly to an ordinary number  M1 at least 3 correct changes to standard form or at least 3 correct changes to ordinary numbers  A1 ordered  [S.C. B2 (if no working) for 4 in the correct order or all correct but reverse order]

### Q5.

5MB2H_01 November 2015				
Question	Working	Answer	Mark	Notes
(a)		$7.8 \times 10^{-3}$	1	B1 cao
(b)		6 710 000	1	B1 cao
(c)	-9, 0.9, 1, 3	-9, 0.9, $9^0$ , $9^{\frac{1}{2}}$	2	M1 for either $9^{\frac{1}{2}}$ or $9^0$ evaluated correctly A1 for fully correct list from correct working, accept original numbers or evaluated. (SC: B1 for 1 error in position or a correct list in reverse order)