

# Standard Form

# November 2024 Paper 3

Question	Answer	Mark	Mark scheme	Additional guidance
18 (a)	340 200	B1	cao	
(b)	$8.026 \times 10^{-1}$	B1	cao	

# November 2023 Paper 3

Question	Answer	Mark	Mark scheme	Additional guidance
20 (a)	$4.68 \times 10^5$	B1	cao	
(b)	0.000 503 7	B1	cao	

June 2024 Paper 3

Question	Answer	Mark	Mark scheme	Additional guidance
23 (a)(i)	53 000	B1	cao	
	0.000074	B1	cao	
23 (b)	$3.42 \times 10^7$	M1	for $9\,700\,000 + 24\,500\,000 (= 34\,200\,000)$ <b>or</b> $3.42 \times 10^n$ ( $n \neq 7$ ) oe <b>or</b> $3.4 \times 10^7$ <b>or</b> correct answer in incorrect form eg $34.2 \times 10^6$ <b>or</b> both in a form ready for addition, eg $9.7 \times 10^6 + 24.5 \times 10^6$	
		A1	cao	

November 2021 Paper 3

Question	Answer	Mark	Mark scheme	Additional guidance
23 (a)	450 000	B1	cao	
	$7 \times 10^{-3}$	B1	cao	
(c)	$4.73 \times 10^3$	M1	for 4730 oe <b>or</b> for $4.73 \times 10^n$ where $n \neq 3$	
		A1	cao	

# June 2022 Paper 1

Question	Answer	Mark	Mark scheme	Additional guidance
26 (a)	0.00163	B1	cao	
(b)	$4.38 \times 10^5$	B1	cao	
(c)	$2.4 \times 10^{-1}$	M1 A1	for $4 \times 6 \times 10^{3-5}$ <b>or</b> 0.24 oe eg $24 \times 10^{-2}$ <b>or</b> $2.4 \times 10^n$ where $n \neq -1$ cao	

## November 2024 Paper 2

Question	Answer	Mark	Mark scheme	Additional guidance
27	$3.125 \times 10^7$	M1  A1	for $(k =) (1.25 \times 10^{-12}) \div (4 \times 10^{-20})$ <b>or</b> for the digits 3125  cao	Condone missing brackets on division $3.1 \times 10^7$ or $3.12 \times 10^7$ or $3.13 \times 10^7$ will score M1A0

June 2023 Paper 3

Question	Answer	Mark	Mark scheme	Additional guidance
28 (a)	1 : 50	M1	for an equivalent ratio eg 9 : 450 <b>or</b> 9 : $4.5 \times 10^2$ <b>or</b> 90000 : 4500000 <b>or</b> <b>or</b> for $4500000 \div 90000$ <b>or</b> $\frac{4500000}{90000}$ (=50)	Count an omission as one error.  Accept alternative indications of the correct order.
(b)	$56250 \times 10^{-3}$ $0.005625 \times 10^5$ 5625 $5.625 \times 10^4$	M1	for writing numbers correctly in a common format eg 56250, 56.25, 562.5 <b>or</b> a correct list with one error <b>or</b> correct list but in reverse order	
		A1	For 1 : 50, accept $n = 50$	
		A1	for correct list	

# June 2020 Paper 1

Question	Answer	Mark	Mark scheme	Additional guidance
28	0.000 672, $67.2 \times 10^{-4}$ $6.72 \times 10^5$ $672 \times 10^4$	B2  (B1)	cao  for correct conversions to same format, condoning one error.  <b>or</b> for 3 numbers in the correct order (ignoring one)  <b>or</b> for all 4 numbers listed in reverse order)	Accept correct numbers in any form

# November 2022 Paper 3

Question	Answer	Mark	Mark scheme	Additional guidance
29 (a)	0.000675	B1	cao	If the answer (for 2 marks) is seen in working and then rounded or truncated, award full marks.
29 (b)	$6.592 \times 10^5$	M1	for $10.5472 \times 10^3$ oe or $1.6 \times 10^8$ oe or $2.575 \times 10^{-1}$ oe or for $6.592 \times 10^n$ where $n \neq 5$ or for $6.59 \times 10^5$ or for $6.6 \times 10^5$ or for 659200 oe	
		A1	cao	