

Simplifying Algebra

June 2022 Paper 1

Question	Answer	Mark	Mark scheme	Additional guidance
2	$4e$	B1	for $4e$ oe	e^4 gets no marks, where the 4 is clearly a power

November 2023 Paper 1

Question	Answer	Mark	Mark scheme	Additional guidance
3	12a	B1		

June 2023 Paper 3

Question	Answer	Mark	Mark scheme	Additional guidance
3	<i>4m</i>	B1		

June 2020 Paper 2

Question	Answer	Mark	Mark scheme	Additional guidance
3	<i>6e</i>	B1		

June 2024 Paper 3

Question	Answer	Mark	Mark scheme	Additional guidance
4	$3a$	B1	for $3a$	Allow $a3$

June 2023 Paper 2

Question	Answer	Mark	Mark scheme	Additional guidance
4	$12t$	B1	for $12t$	

June 2022 Paper 3

Question	Answer	Mark	Mark scheme	Additional guidance
4	<i>6m</i>	B1	for <i>6m</i>	

November 2021 Paper 2

Question	Answer	Mark	Mark scheme	Additional guidance
4 (a)	$4m$	B1	cao	
(b)	$3p$	B1	cao	

November 2022 Paper 1

Question	Answer	Mark	Mark scheme	Additional guidance
5	<i>15tw</i>	B1	for <i>15tw</i>	May be seen in different order

November 2021 Paper 3

Question	Answer	Mark	Mark scheme	Additional guidance
6 (a)	$4ab$	B1		
(b)	$3x + 8$	M1 A1	for method to collect terms eg $3x$ or 8 for $3x + 8$	May be seen in working. Accept if no ambiguity.

November 2024 Paper 2

Question	Answer	Mark	Mark scheme	Additional guidance
11 (a)	$6xy$	B1	cao	An answer of $5d + -3e$ scores M1 A0
(b)	$5d - 3e$	M1	for $5d$ or $-3e$	
		A1	for $5d - 3e$	

June 2024 Paper 2

Question		Answer	Mark	Mark scheme	Additional guidance
13	(a)	$6cd$	B1	for $6cd$ or $6dc$ or $cd6$ oe	Inclusion of \times scores B0, eg $6 \times cd$ oe
	(b)	-5	M1 A1	for $3 + 2 \times -4 (= 3 - 8)$ cao	

November 2023 Paper 3

Question	Answer	Mark	Mark scheme	Additional guidance
13 (a)	$20h^3$	B1	cao	
(b)	7y	B1	cao	

June 2023 Paper 1

Question	Answer	Mark	Mark scheme	Additional guidance
13 (a)	$5a$	B1	cao	
(b)	$19 - 2b + 5c$	M1	for $-2b$ or $5c$	
		A1	for $19 - 2b + 5c$	Accept the correct 3 terms in any order The A mark is lost for any incorrect subsequent working, eg. $17b + 5c$
(c)	$2(4d - 3)$	B1	for $2(4d - 3)$ oe	Accept $(4d - 3)^2$ or $2 \times (4d - 3)$ or $(4d - 3) \times 2$ Condone missing final bracket, eg $2(4d - 3$

November 2022 Paper 2

Question	Answer	Mark	Mark scheme	Additional guidance
14 (a)	$7c + 6d$	M1	for $7c$ or $6d$	
		A1	for $7c + 6d$	
(b)	7	M1	for correct method to expand, eg $5 \times 2m - 5 \times 6$, or divides both sides by 5 as a first step.	
		M1	for correct method to isolate terms in m , eg $10m - 30 + 30 = 40 + 30$	
		A1	cao	
(c)	$3x + 2y$	M1	for $3x$ or $2y$	Condone use of b and p
		A1	cao	

June 2020 Paper 3

Question	Answer	Mark	Mark scheme	Additional guidance
14 (a)	$5x + y$	M1	for method to collect terms, eg $5x$ or y	May be seen in working. Accept if no ambiguity. Accept $1y$.
		A1	cao	
14 (b)	3	M1	for subtracting 7 from both sides or dividing each term by 5 as a first step, eg $5p = 15$ or $5p = 22 - 7$ or $\frac{5p}{5} + \frac{7}{5} = \frac{22}{5}$	Must be carried out, not just intention. Division by 5 must be all terms.
		A1	cao	