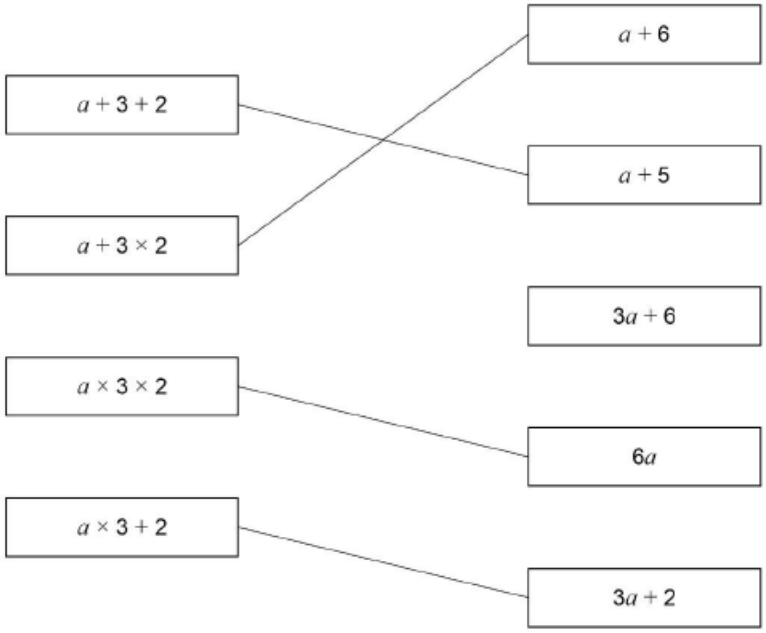
1 (a)	$\frac{3}{4}$ or 0.75	B2	B1 partial simplification eg $\frac{3m}{4m}$ or $\frac{0.75m}{m}$ or $\frac{9}{12}$
	Additional Guidance		
	eg $\frac{3m}{4m}$ seen but answer given as $0.75m$		B1

Q	Answer	Mark	Comments
2(a)	No and correct reason	B1	eg it should be $8a$ two minuses make it $+ 2a$
	Additional Guidance		
	No and $8a - 7b$		B1
	No and $4a$ should be $8a$		B1
	No and two minuses make it plus		B1
	No and it should be $+ 2a$		B1
	No and $4a$ is wrong		B1
	No and $8a + 7b$		B0

Q	Answer	Mark	Comments
2(b)	Not correct for Add 3 and 5 and Correct for Add 2 and 7	B1	
	Additional Guidance		
	Accept any clear indication of their answer		

Q	Answer	Mark	Comments
2(c)	1 or -1	B1	oe fraction eg $\frac{10}{10}$
	Additional Guidance		
	Embedded answer eg $10 \times 1 = 10 \div 1$		B0
	1 and -1 or ± 1		B1

Q	Answer	Mark	Comments
3	All 3 correct matches	B3	B1 each correct match
	Additional Guidance		
	Two different matches from left hand column is choice for that box		
	Allow any unambiguous indication		
			B3

Q	Answer	Mark	Comments
4	$8c$	B1	

Q	Answer	Mark	Comments
5(a)	$3x + 2y$	B2	either order B1 $3x$ or $2y$
	Additional Guidance		
	Further incorrect work after a B2 response is B1 eg $3x + 2y$ followed by $5xy$	B1	
	Further incorrect work after a B1 response is B1 eg $15x + 2y$ followed by $30xy$	B1	

Q	Answer	Mark	Comments
5(b)	8×25 or 200 or 25^2 or 625	M1	oe
	8×25 or 200 and $25^2 - b$ or $625 - b$ **or** $25^2 - 8 \times 25$ or $625 - 200$	M1dep	oe may be seen in an equation
	425	A1	
	Additional Guidance		
	Embedded answer	M1M1A0	

Q	Answer	Mark	Comments
5(c)	$3w + 5$	B1	

Q	Answer	Mark	Comments
6(a)	p^3	B1	
	Additional Guidance		
	Accept $1p^3$		

Q	Answer	Mark	Comments
6(b)	$2a + 11c$	B2	either order B1 $2a$ or $11c$
	Additional Guidance		
	Further incorrect work after a B2 response is B1 eg $2a + 11c = 13ac$		B1
	Further incorrect work after a B1 response is B1 eg $3a + 11c = 14ac$		B1
	$a2 + 11c$ or $2a + c11$		B1
	$a2$ or $c11$		B1

Q	Answer	Mark	Comments
7	$14a + 3b$ or $3b + 14a$	B2	B1 for $14a$ or $(+)3b$
	Additional Guidance		
	$14a + 3b$ followed by further work eg $17ab$		B1
	B1 response followed by further work eg $2a + 3b = 5ab$		B1

Q	Answer	Mark	Comments
8	Valid explanation referencing the multiplication by 2 twice	B1	eg she has multiplied by 2 twice
	Additional Guidance		
	She multiplied 2 by 2 but there was only one 2 to start with	B1	
	2×2 should not be calculated	B1	
	She doubled everything	B1	
	There should only be one 2	B1	
	There should be a 2	B0	
	She's adding up the 2s, whereas it should be $cd \times 2 = 2cd$	B0	
	She multiplied by 4 (instead of 2)	B1	
	She has 4 instead of 2	B0	
	The 4 is wrong	B0	
	She should not have both $2c$ and $2d$	B1	
	She has multiplied (each of) c and d by 2 separately	B1	
	She has multiplied (each of) c and d separately	B0	
	She did $2c \times 2d$	B0	
	Answer is $2c + 2d$	B0	
	She shouldn't separate the c and d, it's just $2c$	B0	
	You don't times each letter by 2	B1	
	She has multiplied each letter by 2	B1	
	She has multiplied each letter by 2, it should be $2cd^2$	B0	
	It is $c \times d \times 2$ not $2c \times 2d$	B1	
	She shouldn't do all that it is just $cd \times 2 = 2cd$	B0	
	Answer is $2cd$	B0	
	Her answer is wrong	B0	

Q	Answer	Mark	Comments
9(a)	d^2	B1	
	Additional Guidance		
	Allow D^2	B1	
	$dd = d^2$	B1	
	dd	B0	
	$1d^2$	B0	
	$d2$	B0	

Q	Answer	Mark	Comments
9(b)	1 or n^0	B1	
	Additional Guidance		
	$\frac{n}{n} = 1$ or $\frac{n}{n} = n^0$	B1	
	$\frac{n}{n}$	B0	
	$\frac{1}{1}$ or $1 \div 1$	B0	

Q	Answer	Mark	Comments
9(c)	$2t$	B1	
	Additional Guidance		
	Allow 2T	B1	
	$2 \times t = 2t$	B1	
	$2 \times t$	B0	
	2^t	B0	
	$\frac{2t}{1}$ or $\frac{2}{1}t$	B0	

Q	Answer	Mark	Comments
10(a)	$5x$	B1	
	Additional Guidance		
	$5 \times x$ or $x \times 5$ or $x5$	B0	

Q	Answer	Mark	Comments
10(b)	$10w$	B1	
	Additional Guidance		
	$10 \times w$ or $w \times 10$ or $w10$	B0	

Q	Answer	Mark	Comments
10(c)	2	B1	
	Additional Guidance		
	$\frac{2}{1}$ or $2 \div 1$		B0

Q	Answer	Mark	Comments
10(d)	y^3	B1	
	Additional Guidance		
	$y^2 \times y$ or $y \times y^2$		B0