Q1. (2017)

28	$y - 9 = \frac{x}{3}$ or $3y = x + 27$ or $3y - 27$ or $3(y - 9)$	M1	A correct first step in rearranging or the correct rearrangement without x =
	$x = 3y - 27$ or $x = 3(y - 9)$	A1	Accept $3y - 27 = x$ or $3(y - 9) = x$
	Additional Guidance		
	Accept $-27 + 3y$ for $3y - 27$ throughout		
	$x = 3y - 27$ in working with answer $3y - 27$		M1A1
	$x = (y - 9)3$ (unless recovers)		M1A0
	$x = y3 - 27$ (unless recovers)		M1A0
	Multiplication signs are acceptable for M1 but not A1		
	$x = 3 \times y - 27$		M1A0
	$3 \times y = x + 3 \times 9$		M1

Q2. (2018)

1	$y + y$	B1	
	Additional Guidance		

Q3. (2018)

(A)

7(a)	$d + 3$ or $3 + d$	B1	must be seen in (a)
	Additional Guidance		
	Condone $e = d + 3$ or $e = 3 + d$		B1
	$d = e - 3$		B0

(B)

7(b)	$d - 5$	B1	must be seen in (b)
	Additional Guidance		
	Condone $f = d - 5$		B1
	$d = f + 5$		B0

(C)

7(c)	their $(d + 3)$ – their $(d - 5)$ or $3 - -5$ or chooses values for d, e and f with e 3 more than d and f 5 less than d and subtracts f from e or chooses values for e and f with e 8 more than f and subtracts f from e	M1	oe eg $d + 3 - d + 5$ or $3 + d + 5 - d$ ft their expressions in (a) and (b) if both in terms of d and at least one has a numerical term may be implied by eg $f = e - 8$
	8	A1ft	correct or ft their expressions in (a) and (b) if both in terms of d and at least one has a numerical term
	Additional Guidance		
	8		M1A1
	($d = 10$,) $e = 13$ and $f = 5$ and $13 - 5$		M1
	Only condone missing brackets if recovered		
	$d + 3 - d - 5$ and no recovery		M0
	$d + 3 - d - 5$ and answer 8		M1A1
	$d + 3$ in (a), $5 - d$ in (b) and $2d - 2$ in (c)		(B1B0)M1A1ft
	$3d$ in (a), $d - 5$ in (b) and $2d + 5$ in (c)		(B0B1)M1A1ft
	$3d$ in (a), $-5d$ in (b) and $8d$ in (c)		(B0B0)M0A0

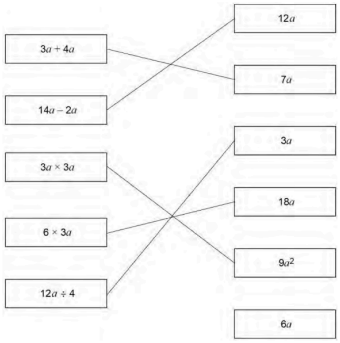
Q4. (2021)

Q	Answer	Mark	Comments
5	60	B2	B1 $10^2 - 4 \times 10$ or $10^2 - 4(10)$ or 100 or 40 or −40 seen or implied
	Additional Guidance		
	Embedded correct value eg $100 - 4a = 96a$		B1
	Further correct work eg $100 - 40 = 60$, Answer $6a$		B2
	Further incorrect work eg $100 - 40 = 60$, Answer $60a$		B1
	Values may be implied eg1 $10^2 - 4 = 96$ implies 100 eg2 96 only does not imply 100		 B1 B0
	Incorrect calculations cannot imply a value eg $10^2 - 4a = 96a$		B0
	$100a$ does not imply 100		B0

Q5. (2022)

Q	Answer	Mark	Comments
9(b)	Valid explanation or correct calculation	B1	eg she hasn't multiplied 2 by 3 or $3 \times 2 = 6$ or answer is 18
	Additional Guidance		
	A correct calculation may be seen by Sofia's work		
	It should be 3×6		B1
	It should be 18		B1
	$3 \times 6 = 18$		B1
	3 should be 6		B1
	Needs to multiply everything in the brackets (by 3)		B1
	She should have done the brackets first		B1
	She should have added 4 and 2 first		B1
	She did 3×4 but not 3×2		B1
	She didn't use BIDMAS and work out the brackets first		B1
	Accept highlighting the second 3 as the error (with no subsequent incorrect calculation seen) eg It shouldn't be + 3		B1
	A correct calculation or answer 18 with any or no explanation		B1
	A correct explanation alongside an incorrect calculation		B0
	She didn't use BODMAS / BIDMAS		B0
	She didn't expand / multiply out the brackets correctly		B0
	3 should be 2		B0
	It should be 14		B0
	The brackets are in the wrong place		B0

Q6. (2023)

Q	Answer	Mark	Comments
2	All 4 correct	B4	B1 for each box correctly matched
	Additional Guidance		
			
	Connections do not have to be straight lines		
	The line from the second box on the left was given so do not count it		
	Two or more lines from one box on the left is choice so incorrect for that box		

Q7. (2024)

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

Q8. (2024)

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

Q9. (2024)

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

Q10. (2024)

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