

1	(a)		$15fg$	B1	cao
	(b)		t^2	B1	cao
	(c)		$4m$	B1	cao

2			$2y$	B1	for $2y$
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3	(a)	$12t$	B1	$12t$	Accept $t12$ but not $12 \times t$ or $t \times 12$ Accept $a7$ or $7 \times a$ or $a \times 7$ Partial simplification of $5a + 2a$ or $8a - a$ does NOT get the mark
	(b)	$7a$	B1	$7a$	

4	(a)	m^7	B1	cao	Allow multiplication signs $125m^3p^x$ or $125m^x p^9$ where $x \neq 0$ or an^3p^9 where a is a number Allow multiplication signs $8q^6r^x$ or $8q^x r^3$ where $x \neq 0$ or aq^6r^3 where a is a number
	(b)	$125m^3p^9$	B2	cao	
			(B1)	for 2 of 3 terms correct in a single product)	
	(c)	$8q^6r^3$	B2	cao	
			(B1)	for 2 of 3 terms correct in a single product)	

5		$9p + 13$	M1	for method to expand one bracket, eg $5 \times p + 5 \times 3 (= 5p + 15)$ or $2 \times 1 - 2 \times 2p (= 2 - 4p)$ or $-2 \times 1 - 2 \times -2p (= -2 + 4p)$	If an attempt is made to multiply by -2 in the second brackets then it must be done consistently.
			A1	cao	

6		$6e$	B1		
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7	(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	
	(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	

8	(a)	$4m$	B1	cao	
	(b)	$3p$	B1	cao	