Q1.   (a)   Simplify $m + m + m + m$

....

(1)

(b)   Simplify $p \times q \times 4$

....

(1)

(c)   Expand $5(3x - 2)$

....

(1)

(d)   Expand $3y(y + 4)$

....

(2)
(Total 5 marks)

M1.

	Working	Answer	Mark	Additional Guidance
(a)		$4m$	1	**B1** for $4m$ oe
(b)		$4pq$	1	**B1** for $4pq$ or $4qp$ or $p4q$ oe
(c)	$5 \times 3x - 5 \times 2$	$15x - 10$	1	**B1** for $15x - 10$ cao
(d)	$3y \times y + 3y \times 4$	$3y^2 + 12y$	2	**M1** for $3y \times y + 3y \times 4$ or $3y^2 + a$ or $3y^2 + ay$ or $b + 12y$ or $by^2 + 12y$ where a, b are integers, and can be zero **A1** for $3y^2 + 12y$ or $3 \times y^2 + 12 \times y$
				Total for Question: 5 marks

E1.   Even basic algebra was a weakness on this paper. Only about half the candidates were able to simply the expression in parts (a) and (b), with the performance far worse in parts (c) and (d). In part (a) candidates were just guessing, giving answers such as m^4 and 4^m, and in (b) pq^4 and incomplete expressions such as $pq \times 4$ or similar.

In (c) many did not know what to do with the 5. Many added it, others doing a partial expansion leading to $15x$, $15x - 2$ or $15x + 5 - 2$

In part (d) few gave any reasonable answer, with a plethora of terms associated with 3, y and 4, but with little recognition of what was needed when multiplying. In some cases correct answers were spoilt by incorrect and unnecessary further simplification, such as $15y^2$.