1	**Alternative method 1**		
	$45 \times \frac{5}{3}$ or 75	M1	75 seen as total of Small column implied by 120 seen as overall total
	(their 75 + 45) ÷ (1 + 3) or 120 ÷ 4 or 30 (Yellow)	M1dep	30 seen as total of Yellow row
	their 30 – 12 or 18 (Large Yellow)	M1dep	18 in Large Yellow cell
	27	A1	Accept 27 in correct cell if answer blank
	Alternative method 2		
	$45 \times \frac{5}{3}$ or 75	M1	75 seen as total of Small column implied by 120 seen as overall total
	their 75 – 12 or 63 (Small Green)	M1dep	63 in Small Green cell
	(their 75 + 45) ÷ (1 + 3) × 3 or 120 ÷ 4 × 3 or 90 (Green)	M1dep	dep on first M1 90 seen as total of Green row
	27	A1	Accept 27 in correct cell if answer blank
	Alternative method 3		
	$45 \times \frac{5}{3}$ or 75	M1	75 seen as total of Small column implied by 120 seen as overall total
	their 75 – 12 or 63 (Small Green)	M1dep	63 in Small Green cell
	their $63 + x = 3(45 - x + 12)$	M1dep	oe $63 + x = 171 - 3x$
	27	A1	Accept 27 in correct cell if answer blank
	Additional Guidance		
	In alt 2, 90 only implies M1M0M1 – 63 is also needed for M1M1M1		

<table>
<tr><th>Q</th><th>Answer</th><th>Mark</th><th>Comments</th></tr>
<tr><td rowspan="3">2(a)</td><td>All values correct</td><td>B2</td><td>B1 1 or 2 rows correct</td></tr>
<tr><td colspan="3">Additional Guidance</td></tr>
<tr><td colspan="3">
<table>
<tr><th></th><th>1</th><th>2</th><th>3</th><th>4</th><th>5</th><th>6</th></tr>
<tr><td>$2x$</td><td>2</td><td>4</td><td>6</td><td>8</td><td>10</td><td>12</td></tr>
<tr><td>$3x$</td><td>3</td><td>6</td><td>9</td><td>12</td><td>15</td><td>18</td></tr>
<tr><td>x^2</td><td>1</td><td>4</td><td>9</td><td>16</td><td>25</td><td>36</td></tr>
</table>
</td><td>B2</td></tr>
</table>