

Qu	Give one mark for each •	Illustrations for awarding mark
<b>1a</b>	<b>ans : 52grams</b> <b>1 mark</b> • <sup>1</sup> answer	• <sup>1</sup> 52 grams
<b>b</b>	<b>ans : £24</b> <b>1 mark</b> • <sup>1</sup> answer	• <sup>1</sup> $(84 \div 7) \times 2 = 24$
<b>c</b>	<b>ans : -13</b> <b>1 mark</b> • <sup>1</sup> answer	• <sup>1</sup> -13
<b>2</b>	<b>ans : £1.75</b> <b>2 marks</b> • <sup>1</sup> knows to divide by 3 • <sup>2</sup> knows to multiply by 5	• <sup>1</sup> $105 \div 3 = 35$ • <sup>2</sup> $35 \times 5 = £1.75$
<b>3</b>	<b>ans : 22</b> <b>3 marks</b> • <sup>1</sup> substitute values • <sup>2</sup> evaluates first part correctly • <sup>3</sup> answer	• <sup>1</sup> $3 \times 3^2 - 5$ • <sup>2</sup> $27 - \dots$ • <sup>3</sup> 22
<b>4a</b>	<b>ans : 80 blocks</b> <b>3 marks</b> • <sup>1</sup> finds number of blocks along each side • <sup>2</sup> knows to multiply • <sup>3</sup> answer	• <sup>1</sup> 10, 4, 2 • <sup>2</sup> $10 \times 4 \times 2$ • <sup>3</sup> 80 Alternative method • <sup>1</sup> finds volume of cube [ $10000\text{cm}^3$ ] • <sup>2</sup> finds volume of cube [ $125\text{cm}^3$ ] • <sup>3</sup> divides to answer [80 blocks]
<b>b</b>	<b>ans: 25/80 or equivalent</b> <b>1 mark</b> • <sup>1</sup> knows how to find probability	• <sup>1</sup> 25/80 or equivalent
<b>5</b>	<b>ans : £2375</b> <b>3 marks</b> • <sup>1</sup> substitutes values • <sup>2</sup> correct multiplication by 300 • <sup>3</sup> answer	• <sup>1</sup> $125 + 7.5 \times 300$ • <sup>2</sup> $125 + 2250$ • <sup>3</sup> £2375
<b>6</b>	<b>ans : <math>x + 8</math></b> <b>2 marks</b> • <sup>1</sup> multiplies brackets • <sup>2</sup> simplifies	• <sup>1</sup> $\dots\dots - 6x + 8$ • <sup>2</sup> $x + 8$
<b>7</b>	<b>ans : 15 km</b> <b>3 marks</b> • <sup>1</sup> uses correct formula • <sup>2</sup> multiplies by $2\frac{1}{2}$ hours • <sup>3</sup> answer	• <sup>1</sup> $D = S \times T$ • <sup>2</sup> $6 \times 2.5$ • <sup>3</sup> 15 km
<b>8</b>	<b>ans : <math>8(3x + 2y)</math></b> <b>2 marks</b> • <sup>1</sup> correct common factor • <sup>2</sup> correct terms in bracket	• <sup>1</sup> $8(\dots\dots\dots)$ • <sup>2</sup> $(3x + 2y)$

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<p>9a</p> <p>b</p> <p>c</p>	<p>ans : reasonable line of best fit    1 mark</p> <p>•<sup>1</sup> line drawn</p> <p>ans: correct dot circled                    1 mark</p> <p>•<sup>1</sup> circles dot at (3,133)</p> <p>ans: 143 cm approx                            1 mark</p> <p>•<sup>1</sup> interprets graph</p>	<p>•<sup>1</sup> see diagram</p> <p>•<sup>1</sup> see diagram</p> <p>•<sup>1</sup> 143 cm approx - see candidates graph</p>																																																						
10	<p>ans : 9 points                                    2 marks</p> <p>•<sup>1</sup> any valid method</p> <p>•<sup>2</sup> answer</p>	<p>•<sup>1</sup> <math>(5 \times 7) - (2 \times 13)</math> .</p> <p>•<sup>2</sup> 9 points</p>																																																						
11	<p>ans : stem and leaf chart                    3 marks</p> <p>•<sup>1</sup> stem correct</p> <p>•<sup>2</sup> leaves correct</p> <p>•<sup>3</sup> shows key</p>	<p>•<sup>1</sup></p> <table style="border-collapse: collapse; margin-left: 20px;"> <tr> <td style="border-right: 1px solid black; padding-right: 5px;">3</td> <td style="padding-right: 5px;">5</td> <td style="padding-right: 5px;">8</td> <td style="padding-right: 5px;">6</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td style="border-right: 1px solid black; padding-right: 5px;">4</td> <td style="padding-right: 5px;">2</td> <td style="padding-right: 5px;">8</td> <td style="padding-right: 5px;">4</td> <td style="padding-right: 5px;">5</td> <td style="padding-right: 5px;">5</td> <td style="padding-right: 5px;">0</td> <td style="padding-right: 5px;">9</td> <td style="padding-right: 5px;">2</td> <td style="padding-right: 5px;">5</td> <td style="padding-right: 5px;">7</td> <td style="padding-right: 5px;">0</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td style="border-right: 1px solid black; padding-right: 5px;">5</td> <td style="padding-right: 5px;">0</td> <td style="padding-right: 5px;">0</td> <td style="padding-right: 5px;">0</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </table> <p>•<sup>2</sup></p> <p>•<sup>3</sup> <math>n = 17, 3   5 = 35</math></p>	3	5	8	6															4	2	8	4	5	5	0	9	2	5	7	0							5	0	0	0														
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		<b>Total 30 marks</b>																																																						