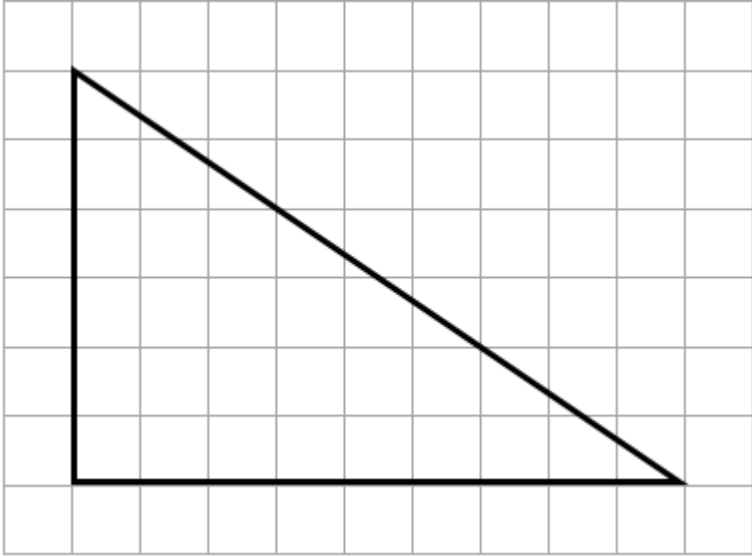


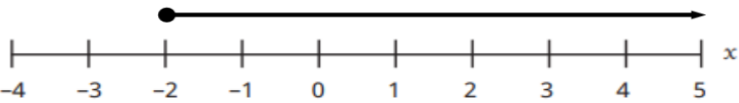
Year 10 Autumn Foundation Non-Calculator Paper Mark Scheme

Question	Answer	Marks	Notes and guidance
1	0.05, 0.352, 0.57, 0.6	1	
2	40%	1	Do not accept just 40
3	3480	1	
4	1, 2, 3, 4, 6 and 12	2	Allow in any order. Award 1 mark for at least four correct factors found.
5	e.g. 	2	Could be anywhere on the grid. Allow 1 mark for at least one side correctly enlarged by scale factor 3, or fully correct enlargement by any other scale factor (except 1)

Year 10 Autumn Foundation Non-Calculator Paper Mark Scheme

6	£4.53	3	Award 1 mark for attempt to final total cost with consistent units Award 1 mark for attempt to subtract their total from £10 Award 3 rd mark for correct final answer
7a	2.4 (kg)	1	
7b	4700 (g)	1	
8a	$m = 50$	1	Allow just '50'
8b	$t = 12$	1	Allow just '12'
8c	$g \geq 20$	2	Award 1 mark for $g = 20$ OR correct first step seen e.g. $4g \geq 80$ or $g - 5 \geq 15$
9a	C or G	1	Allow both
9b	A and F	1	
9c	C and G or D and E	1	
9d	12 cm ²	1	Allow no units, but do not allow incorrect units
10a	3.5	2	Award 1 mark for attempt to order list and find the median
10b	3.6	2	Award 1 mark for attempt to find total and then divide by 10
10c	5	1	Do not accept "1 to 6" or "6 - 1" etc.
11	586.95	3	Award 2 marks for 58695 seen but decimal point misplaced/missing OR any correct method with no more than one computational error Award 1 mark for any correct method with no more than two computational errors

Year 10 Autumn Foundation Non-Calculator Paper Mark Scheme

12a	Completes the table correctly <table border="1" style="margin-left: auto; margin-right: auto;"> <tbody> <tr> <td>x</td> <td>-1</td> <td>0</td> <td>1</td> <td>2</td> <td>3</td> <td>4</td> </tr> <tr> <td>y</td> <td>-5</td> <td>-3</td> <td>-1</td> <td>1</td> <td>3</td> <td>5</td> </tr> </tbody> </table>	x	-1	0	1	2	3	4	y	-5	-3	-1	1	3	5	2	Award 1 mark for any two correct values
x	-1	0	1	2	3	4											
y	-5	-3	-1	1	3	5											
12b	Straight line drawn from (-1, 5) to (4, 5)	2	Award 1 mark for at least four or their values correctly plotted														
13a		1															
13b	$-3 < x \leq 4$	2	Award 1 mark for $-3 \leq x \dots$ OR $\dots x < 4$														
13c	-2, -1, 0, 1, 2, 3, 4	2	Award 1 mark for one error e.g. -2 omitted or 5 included or 0 omitted														
14	£180	3	Award 1 mark for $\pounds 100 \div 5$ seen or implied Award 2 nd mark for their “ $\pounds 20 \times 9$ ” or equivalent Award 3 rd mark if fully correct														
15	$\frac{\sqrt{3}}{2}$	1	Accept any clear indication - circle, underlined etc.														
16a	e.g. “Because the triangle is isosceles”	1	Condone incorrect spelling if intention is clear														
16b	$x = 4$	2	Award 1 mark for correct first step e.g. $2x + 1 = 9$ or $13x = 11x + 8$														
16c	110	2	Follow through from value of $x \geq 0$ Award 1 mark for attempt to substitute their value of x into either $13x + 1$ or $11x + 9$														

Year 10 Autumn Foundation Non-Calculator Paper Mark Scheme

17	$x = -2, y = 5$	4	<p>Award 1 mark for making coefficients of x and y the same (condone one arithmetic error)</p> <p>Award 1 mark for first correct value</p> <p>Award 1 mark for substitution to find other value</p> <p>Award fourth mark for fully correct</p>
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