

Edexcel Year 11 Paper 2H Nov 22 Calculator Mark Scheme

Question	Answer	Marks	Notes and guidance
1a	7.20	2	Award 1 mark for correctly finding the value of one sandwich, e.g. $12 \div 5 (= 2.40)$
1b	14	2	Award 1 mark for fully correct method to calculate the number of sandwiches, e.g. $35 \div 2.4 (= 14.5\dots)$
2	$y = 5x + 4$	2	Award 1 mark for an equation of the form $y = 5x \pm k$ or $y = mx + 4$
3a		2	Award 1 mark for correct diagram in incorrect orientation.
3b		2	Award 1 mark for correct diagram in incorrect orientation.
4a	6850	1	
4b	(4, 360) plotted on grid	1	
4c	Negative	1	

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4d	Accept answers from 620 to 700 found from a line of best fit shown.	2	Award 1 mark for answer in the correct range without line of best fit drawn OR line of best fit seen.																
4e	Point (3, 210) clearly indicated	1																	
5	60	3	Award 1 mark for correct method to find the total revenue, e.g. $60 \times 6 + 20 \times 3 (= 420)$. Award 2 nd mark for fully correct method to find the percentage profit using their total revenue, e.g. $\frac{170}{250} \times 100$																
6	$6n - 1$	2	Award 1 mark for any expression of the form $6n \pm k$																
7	£5465.66	3	Award 2 marks for fully correct method e.g. 5200×1.018^3 or complete 'build up' method. Award 1 mark for finding the interest or total after one year.																
8a	<table border="1"><tr><td>1</td><td>-3</td><td>-2</td><td>-1</td><td>0</td><td>1</td><td>2</td><td>3</td></tr><tr><td>0</td><td>■</td><td>■</td><td>■</td><td>■</td><td>■</td><td>■</td><td>■</td></tr></table>	1	-3	-2	-1	0	1	2	3	0	■	■	■	■	■	■	■	2	Award 1 mark for at least 3 correct values.
1	-3	-2	-1	0	1	2	3												
0	■	■	■	■	■	■	■												
8b	Fully correct coordinates plotted and joined with one smooth curve.	2	Award 1 mark for plotting at least 5 points from their table of values																

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R Bogdan

A red circular graphic with a gradient, appearing as a semi-circle or a partial circle, located to the right of the 'R Bogdan' text.

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