Answer Sheet: Maths Assessment Year 6 Term 3: Algebra



question	answer			marks	notes			
1. Use simple formulae.								
a	a = 6, b = 7, c = 19			3				
b	d = 2, e = 12, f = 4			3				
С	y = 27, y = 51, y = 49			3				
d	£1.38 30 rubbers			3	For the second part, 2 marks for a correct answer, but 1 mark for correct calculations with only 1 error in calculating.			
2. Generate and describe linear number sequences.								
а	84, 93			1				
b	63			1				
С	45, 49			1				
d	1st 5th 10th 25th	calculation $3 \times 1 - 7$ $4 \times 5 + 9$ $4 \times 20 + 9$ $4 \times 100 + 9$	value -4 29 89 409	4	Award one mark for each box correctly completed.			
е	5n-4 71 25th term			3				
3. Express missing number problems algebraically.								
a	15h + 12			1				
b	p = q + 8 and	p - 8 = q		2	Allow any expression which is correct $(p + 1 = q - 9)$.			
С	All must be ri	nged		1				
di.	£62			1	For the second part, 2 marks for a correct answer, but 1 mark for correct calculations with only 1 error in calculating.			
ii.	35 pairs			2				
е	15n – 5			1				



question	ans	wer	marks	notes				
4. Find pairs of numbers that satisfy an equation with two unknowns.								
a	1 x 30, 2 x 15, 5 x 6		1	1 mark for all 3 pairs.				
b	1 x 12, 2 x 6, 3 x 4		1	1 mark for all 3 pairs.				
С	e = 7, f = 5 g = 11, h = 4 I = 10, j = 8		3	1 mark for each correct pair.				
5. Enumerate possibilities of combinations of two variables.								
	21 + 9 = 30 22 + 9 = 31		1	1 mark for all 3 correct combinations identified.				
	Value of a	Value of b						
	3	11						
	6	17	4					
	10	25						
	18	41						
			Total 40					