Question		Answer	Marks	Part marks and guidance
12	(a)		2 1 AO2.1a 1 AO2.3b	B1 for 4 × 4 dotted squares correct B1 for 4 blocks of 4 black squares correct
	(b)	64	2 1 AO1.3a 1 AO2.1a	M1 for 8×8 or 8^2 or 8 squared
	(c)	4n	2 1 AO1.3a 1 AO2.3a	M1 for 4 8 12 seen
	(d)	Number of blacks is always even oe and reason Number of dots alternates between odd and even oe and reason even + even = even odd + even = odd	B1 B1 B1 B1 B1	Accept 4 times table or 4 is even Accept any reason that has explanatory value e.g. odd ² = odd
		Saa i Svoii – Saa	2 AO2.2 4 AO2.4b	If 0 scored, instead award B1 shows true for patterns 1, 2 and 3 B1 shows true for at least two more patterns