Question	Working	Answer	Mark	Notes
1	60, 120, 180, 240, 300, 360, 420, 480, 540, ... 135, 270, 405, 540, ... or 60 = 2×2×3×5 or 15×2×2 135 = 3×3×3×5 or 15×3×3 or 	5	60	135
3	12	27
	4	9				M1 for a correct list of multiples up to 540 **or** 60 and 135 written as a correct product of primes - factors may be on ends of trees or in ladder diagrams (so expect to see 3, 3, 3, 4 and 5 or equivalent e.g. 3, 4, 5, 9) **or** correct factor grid The following is common: | 5	60	135
3	12	27
4	4	9
9	1	9
	1	1	
		540	2	A1
				Total 2 marks
2	$9n - 7 = 214$			M1 **or** for working out the 24$^{\text{th}}$ **and** 25$^{\text{th}}$ terms
		No **and** $n =$ 24.55... **or** $9n = 221$ and 221 is not a multiple of 9 **or** 24th term = 209, 25th term = 218	2	A1 oe (e.g. No with either 24.5 or 24.6 (or better)) – for A1 must see 'No' + appropriate values A0 if No and $n = \dfrac{221}{9}$ only For A1 it must be explicitly clear that $n = \dfrac{221}{9}$ is not an integer e.g. No and $n = \dfrac{221}{9}$ is not an integer/whole number is A1
				Total 2 marks