24	eg $\frac{2\times3\times3\times(3^{\frac{3}{2}})^{4n+6}}{2\times3\times3^{2(2n+8)}}$ or $\frac{3\times3^{\frac{3}{2}(4n+6)}}{3^{2(2n+8)}}$ $\sqrt{27}$ to be changed to a power of 3 and not $3\sqrt{3}$ unless recovered		3	M1	For **2** of: • writing 18 as 2×3^2 oe **and** 6 as 2×3 **OR** cancelling 6 & 18 fully • writing $\sqrt{27}$ as $3^{\frac{3}{2}}$ or $3\times3^{\frac{1}{2}}$ **OR** $\left(\sqrt{27}\right)^{4n+6}$ as $\left(3^3\right)^{2n+3}$ or 3^{6n+9} • writing 9 as 3^2 **OR** 9^{2n+8} as $3^{2(2n+8)}$ or 3^{4n+16}
`	eg $\frac{3\times3^{6n+9}}{3^{4n+16}}$ or $\frac{3^{6n+10}}{3^{4n+16}}$ or $\frac{3\times3^{1.5(4n+6)}}{3^{2(2n+8)}}$ or $\frac{3^2\times3^{6n+9}}{3\times3^{4n+16}}$ or $\frac{3^{6n+11}}{3^{4n+17}}$ oe or eg $3^{6n+11}=3^x\times3^{4n+17}$ oe			M1	For a correct expression or equation using only powers of 3 (powers of 3 but not necessarily a single power)
		$2n-6$		A1	oe eg $2(n-3)$ dep on M1
					Total 3 marks

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