15 (a)	eg $12\times\frac{5a+8}{3}-12\times\frac{2a+5}{4}=12\times 23$ **or** eg $4(5a+8)-3(2a+5)=12\times 23(=276)$ **or** eg $\frac{4(5a+8)}{12}-\frac{3(2a+5)}{12}(=23)$ **or** eg $\frac{4(5a+8)-3(2a+5)}{12}(=23)$		4	M1	for clear intention to multiply all terms by 12 or a multiple of 12 **or** to express LHS as two fractions over 12 or a multiple of 12 **or** as a single fraction with a denominator of 12 or a multiple of 12 (If expanded numerator, allow one sign error **or** one numerical error but not both) Accept $\frac{20a+32}{12}-\frac{6a+15}{12}(=23)$ or $\frac{20a+32}{12}-\frac{6a+15}{12}(=23)$ or $\frac{20a+32-6a+15}{12}(=23)$
	eg $20a+32-6a-15=12\times 23(=276)$ oe **or** $14a+17=276$			M1	ft for expanding brackets and multiplying both sides by denominator with no more than one error in total leading to a linear equation Accept a linear equation leading to 14a – 17 = 276 oe **or** 14a + 47 = 276 oe **or** 26*a* + 17 = 276 This mark implies the previous M mark if not already awarded
	eg $20a-6a=276-32+15$ oe or $14a=259$			M1	ft dep on previous M1 for correctly rearranging terms in *a* on one side and number terms on the other side
	Working required	18.5		A1	oe dep on M2 eg $\frac{259}{14}$ **or** $\frac{37}{2}$

(b)	eg $\frac{3}{\sqrt{y}}\left(=\frac{3\sqrt{y}}{y}\right)$ **or** $\frac{3}{y^{0.5}}$ **or** $\frac{3}{y^{\frac{1}{2}}}$ **or** $\left(\frac{y^{0.5}}{3}\right)^{-1}$ **or** $\left(\frac{y^{\frac{1}{2}}}{3}\right)^{-1}$ oe		2	M1	for a correct first step by applying one of the following index rules $\sqrt{x}=x^{\frac{1}{2}}=x^{0.5}$ or $\left(\frac{a}{b}\right)^{-1}=\left(\frac{b}{a}\right)$
	Correct answer scores full marks (unless from obvious incorrect working)	$3y^{-0.5}$		A1	oe eg $3y^{-\frac{1}{2}}$, accept $c = 3$ and $n = -0.5$ oe
					Total 6 marks