Question	Working	Answer	Mark	Notes
23	$2x+16$ and $5x-107$			M1 or $X+16$ and $Y-107$ and $5X=2Y$
	$\frac{2x+16}{4}=\frac{5x-107}{3}$ oe			M1 dep Allow one sign error or $\frac{X+16}{Y-107}=\frac{4}{3}$ or Allow $2x+16=4y$ and $5x-107=3y$
	$[x=]34$			M1 dep on both previous Method marks. Using a correct method to solve equation(s) leading to x = … or y = … or $5x$ = …or X = … or Y = …
	$5\times"34"-107$			M1 dep on previous mark. or $3\times"21"$
		63	5	A1 Working not required, so correct answer scores full marks (unless from obvious incorrect working)
				Total 5 marks
Alternative				
	T is the total number of eagles in 2003 t is the total number of eagles in 2015			
	$\frac{2}{7}T+16$ and $\frac{5}{7}T-107$ **or** $\frac{4}{7}t-16$ and $\frac{3}{7}t+107$			M1 May be seen as part of a correct equation.
	$\frac{2}{7}T+16=\frac{4}{7}t$ and $\frac{5}{7}T-107=\frac{3}{7}t$ oe			M1 dep for 2 correct equations
	$t=147$ **or** $T=238$			M1 dep on both previous Method marks. Using a correct method to solve equation(s) leading to T = … or t = or $5T$ = … or $3t$ =
	$\frac{3}{7}\times"147"$ **or** $\frac{5}{7}\times"238"-107$			M1 dep on previous mark. Allow their 147 or their 238
		63		A1 Working not required, so correct answer scores full marks (unless from obvious incorrect working)