	120 000 × 1.05 or 126 000	M1	oe eg 120 000 + 0.05 × 120 000		
			may be implied by eg 144 000		
	120 000 × 1.05 ⁴		oe eg their 126 000 × 1.	.05 or 132300	
	or $\frac{583443}{4}$		and		
	4	M1dep	their 132 300 × 1.05 or 138 915		
1			and		
			their 138 915 × 1.05		
	145860(.75) or 145860.8(0)		if no value given implied by M2 seen and 150 000		
	or 145861 or 145900	A1			
	or 146 000				
	150 000	B1ft	ft any answer seen with > 2sf		
			condone 150 000.00		
	Additional Guidance				
	126 000 × 1.05 ³	M1M1			
	Answer only				
	145 860(.75) or 145 860.8(0) or 145 8	M1M1A1B0			
	Answer only 150 000	Zero			
	For year on year working allow rounding/truncation if method shown for up to M2A0B1ft				
	eg 126 000 × 1.05 = 132 000	M1			
	and 132 000 × 1.05 = 138 000				
	and 138 000 × 1.05 = 144 900 Answ	M1A0B1ft			
	120 000, 126 000, 132 000, 138 000, 144 000 with no method shown does not imply truncation, this is just adding on 6 000 each year			M1M0A0	
	120 000 + 4 × 0.05 × 120 000 or 120	M1M0A0			
	Misreads can score up to M2A0B1ft				
	Treat calculating 5 years as a misread but otherwise the wrong number of years eg 120 000 × 1.05 ² will score a maximum of M1M0A0B1ft				

Q	Answer	Mark	Commer	nts	
	Alternative method 1				
	2496.96 ÷ 2448 or 1.02	M1	implied by correct value for 2, 3 or 4 years		
	2496.96 × (their 1.02) ³ or	M1dep	oe eg full year by year r	method shown	
	2448 × (their 1.02) ⁴ or	Миср			
	2649.79				
2	2649.77 or 2649.78 or 2649.79 or 2649.8(0)	A1	accept 2650(.00) with M2 awarded SC2 2702.78 or 2702.79 or 2702.8(0)		
	Alternative method 2				
	(2496.96 – 2448) ÷ 2448 or 48.96 ÷ 2448 or 0.02 or 2%	M1			
	$2496.96 \times (1 + \frac{\text{their 2}}{100})^3$		oe eg full year by year method shown		
	or 2448 × (1 + their 2) ⁴	M1dep			
	or 2649.79				
	2649.77 or 2649.78 or 2649.79 or 2649.8(0)	A1	accept 2650(.00) with M2 awarded SC2 2702.78 or 2702.79 or 2702.8(0)		
	Additional Guidance				
	Calculated by year, the amounts wou				
	2 years 2546.89 or 2546.90				
	3 years 2597.82 or 2597.83 or 25				
	Condone 2650.0	M1M1A1			
	2546.89, 2597.83, 2649.78, 2702.77 work seen after correct answer	M1M1A0			
	$\frac{48.96}{2496.96} \times 100 = 2\%$ is incorrect working			M0M0A0	

Q	Answer	Mark	Comments		
	Alternative method 1				
	560 ÷ 500 or 1.12	M1	oe		
	³ √their1.12 or [1.038, 1.0385]		may be implied		
	or [3.8, 3.85]	M1dep	eg $\frac{r}{100}$ = [0.038, 0.0385]		
	3.9	A1			
	Alternative method 2				
3	Trial of the form $500 \times x^3$ with $1 < x \le 1.1$ and correct evaluation	M1	allow correct evaluation truncated or rounded to nearest integer or better allow working year by year value of x used must be seen		
	Two trials of the form $500 \times x^3$ each with $1 < x \le 1.1$ and correct evaluations, one with answer < 560 and one with answer > 560	M1dep	allow correct evaluations truncated or rounded to nearest integer or better allow working year by year values of x used must be seen		
	3.9	A1			

	Additional Guidance						
	Up to M2 may be awarded for correct work with no answer or incorrect answer, even if this is seen amongst multiple attempts						
	1.01	515.1505	1.0	385	560.0019083]	
	1.02	530.604	1.0	39	560.8111595		
	1.03	546.3635	1.0	4	562.432		
	1.038	559.193436	1.0	5	578.8125		
			1.0	6	595.508		
				7	612.5215		
			1.0	8	629.856		
			1.0	9	647.5145		
					665.5		
3 eg of accepted values For 578.8125 allow 578, 579, 578.8, 578.81, 578.				, 578.812, 578.8	13		
	Alt 2 example of working year by year (allow intermediate values to be truncated or rounded to the nearest penny, also allow if given to the next penny) $500 \times 1.035 = 517.5$ $517.5 \times 1.035 = 535.6125 \text{ (allow } 535.61 \text{ or } 535.62)$ $535.61 \times 1.035 = 554.35635$						
	Incorrect trials and evaluations can be ignored						
	3.9 from incor	rect working					
	eg $560 - 500 = 60$ $\sqrt[3]{60} = 3.9$					M0M0A0	
	Wrong answer (eg 4) with no correct method seen Apply the scheme that favours the student eg 500 × 1.038 ³ scores M1M1 using Alt 1					M0M0A0	
	$\frac{560 - 500}{500}$ with no further correct work				момо		