

Q1. (2017)

15	Alternative method 1 of 4		
	Identifies any 3-digit cube number	M1	125 or 216 or 343 or 512 or 729
	125 and 216 and 343 and 512 and 729	M1dep	
	125 and 216 and 343 and 512 and 729 and 64 and 1000	A1	
	Alternative method 2 of 4		
	Identifies any 3-digit cube number	M1	125 or 216 or 343 or 512 or 729
	$5^3 = 125$ and $9^3 = 729$ and 5, 6, 7, 8, 9 or $9 - 4 = 5$	M1dep	
	$5^3 = 125$ and $9^3 = 729$ and 5, 6, 7, 8, 9 or $9 - 4 = 5$ and ($4^3 = 64$ and ($10^3 = 1000$	A1	
	Alternative method 3 of 4		
	$\sqrt[3]{100} = 4.6\dots$	M1	
	$\sqrt[3]{999} = 9.9\dots$ or $\sqrt[3]{1000} = 10$	M1	
	$\sqrt[3]{100} = 4.6\dots$ and $\sqrt[3]{999} = 9.9\dots$ or $\sqrt[3]{1000} = 10$ and 5, 6, 7, 8, 9 or $9 - 4 = 5$	A1	

15 cont	Alternative method 4 of 4		
	$5^3 = 125$	M1	
	$10^3 = 1000$ or $\sqrt[3]{1000} = 10$	M1	
	$4^3 = 64$ and $5^3 = 125$ and $10^3 = 1000$ or $\sqrt[3]{1000} = 10$ and 5, 6, 7, 8, 9 or $9 - 4 = 5$	A1	