Q	Answer	Mark	Commen	ts
	4.715 or 4.725 or 157.5 or 158.5	B1	accept 4.7249 or 4.7249 accept 158.49 or 158.49	
	their 4.725 ÷ their 157.5	M1	their 4.725 must be (4.72, 4.725] their 157.5 must be [157.5, 158)	
1	0.03 and correct working	A1	oe eg $\frac{3}{100}$	
	Additional Guidance			
	Answer 0.03 with no correct working			B0M0A0
	4.7249 exact value with no continuation dots seen		В0	

	Alternative method 1				
	Sight of at least one of 2.35 or 2.45 or 2.85 or 2.95	M1	allow 2.449 for 2.45 and	d 2.949 for 2.95	
	their 2.35 × their 2.85	M1	2.3 ≤ their 2.35 < 2.4 2.8 ≤ their 2.85 < 2.9		
	2.35 × 2.85 selected and 6.6(975)	A1	accept 6.7(0) or 6.698 with 2.35 × 2.85 selecte	d	
	Alternative method 2				
	Sight of at least one of 2.35 or 2.45 or 2.85 or 2.95 M1 allow 2.449 for		allow 2.449 for 2.45 and	and 2.949 for 2.95	
	6.51 ÷ their 2.35 or 6.51 ÷ their 2.85	M1	2.3 ≤ their 2.35 < 2.4 2.8 ≤ their 2.85 < 2.9		
2	6.51 ÷ 2.35 and 2.7(7) and 2.85 or 6.51 ÷ 2.85 and 2.2(8) and 2.35	A1			
	Additional Guidance				
	Alt 1 2.35×2.85 amongst other calculations eg 2.45×2.95 and/or 2.35×2.95 can still score the second M1 but it must be clear that they are considering $2.35 \times 2.85 = 6.6(975)$ to show that the bedroom can be rented				
	eg1 2.35 × 2.85 = 6.6975 2.45 × 2.95 = 7.2275		M1M1A0		
	eg2 $2.35 \times 2.85 = 6.6975$ $2.45 \times 2.95 = 7.2275$ $2.35 \times 2.95 = 6.9325$ The lower bounds show it can be rented			M1M1A1	
	Ignore the calculation 2.4 × 2.9 throughout			WIWIAI	
	Alt 1 6.6(975) or 6.7 or 6.698 without 2.35 × 2.85 selected			A0	
	6.6975 only			M0M0A0	
	Alt 2 2.7(7) without 6.51 ÷ 2.35 and 2.85 seen			A0	
	Alt 2 2.2(8) without 6.51 ÷ 2.85 and 2.35 seen			A0	

Q	Answer	Mark	Comments
3	3.55 ≤ mass < 3.65	B1	

Q	Answer	Mark	Comments	
	64.5 or 65.5 or 25 or 35	M1	allow 65.49 or 34.9 implied by 4160.25 or 4290 or 8320.5 or 8580.5 or 625 or 1225	1.25
	2 × their 65.5 ² – their 25 ² or 2 × 4290.25 – 625 or 8580.5 – 625	M1	their 65.5 must be (65, 66] their 25 must be [20, 30)	
	65.5 and 25 and 7955.5	A1		
4	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			
	If multiple attempts are seen and one is fully correct, the correct one must be unambiguously selected (eg ticked or circled) to award A1 if the answer line is blank			
	Note that M0M1A0 is possible $eg \ 2 \times 66^2 - 21^2$			M0M1A0
	Condone eg 65.50 for 65.5			

Q	Answer	Mark	Comme	nt
	7.15 or 7.25 or 13.55 or 13.65 or 109.5 or 110.5	B1		
	7.25 and 13.65 and 109.5 chosen	B1		
	0.5 × their 7.25 × their 13.65 × sin their 109.5	M1	their 7.25 must be [7.2, 7.25] their 13.65 must be [13.6, 13.65] their 109.5 must be [109.5, 110] or 110.5	
5	46.6(4) with correct bounds seen	A1ft	condone 47 with B1B1 scored ft their three bounds within M1 ranges which are not 7.2 or 13.6 or 110	
	Additional Guidance			
	Accept 7.24 9 for 7.25 or 13.64 9 for 13.65 or 110.4 9 for 110.5			
	7.25 and 13.65 and 110.5 used and answer 46.3			B1B0M1A1ft
	7.25 and 13.65 and 110 used and answer 46.497 or 46.5			B1B0M1A0ft
	7.2 and 13.6 and 110 used, with or without answer 46(.0)			B0B0M1A0ft
	46.6(4) or 47 with no working			B0B0M0A0