

1	8	8 249.5 [≤ <i>j</i> <] 250.5 cao				B1 for either, or both correct but reversed		
2	7		435, 445 cao)		B1 for one value in the correct place or SC1 for both values correct but reversed		
3	6		95.5 96.5 in correct places cao		2	B1 for 95.5 or 96.5 in correct place or for answers reversed		
4	8		4.25 4.15	2	,	B1 for each or both answers reversed		
5	9	63	.84 <u>cao</u>	3		M1 figs 1995 M1 32 × their lower bound		
6	10	22	0.5 cao	2		M1 for 73.5 seen		
7	8	40).5	2		M1 6.75 seen or 6 × their LB		
8	9	1	90	2		M1 119.5 and 120.5 or B1 for one correct answer		
9	12	2 (a) 25 (b) 0.4 If zero scored SC1 for 250 and 4 or 6.25 and 6.35				If zero scored SC1 for 250 and 4 or 6.25 and 6.35		
10	9	12	275, 1425	3	B1 85 or 95 or 0.85 or 0.95 M1 their LB or UB × 1500 where $85 \le LB < 90$ $90 < UB \le 95$			
11	4		816 cao		2	M1 197.5 and 210.5 seen		
12	4		2375 cao 2825 cao			B1, B1 If no marks scored give M1 for 27.5 and 28.5 se		
13	7		30.7975 cao	2	M1 6.35 and 4.85 seen			
14	4 5		33 cao www	2]	M1 any two of 5.5, 9.5, 12.5 seen B1 24.5 or 0.35 seen M1 their LB ÷ their UB		
15	10		70	000				
16	7 2.11		119 × 10 ⁸ cao	20 3		M1 81500 oe M1 their LB × 2600		
17	9		48.15, 48.45 cao	2	;	B1 B1 If 0 then M1 for 16.0 and 16.15 soi		
				www.Q8M a	-	hs.com 2		

18	8		6.1 final answer		2	M1 for $[\sqrt{37.8225}=]$ 6.15	
19	12	p = 71.4 q = 73.1			B1 for 8.45 and 8.55 seen M1 for <i>their</i> LB ² [π] or <i>their</i> UB ² [π] If 0 scored, SC1 for one correct.		
20	6		101.4, 102.6	·	2	M1 for 8.45 and 8.55 seen If 0 scored, SC1 for one correct value in correct position on answer line or for two correct reversed answers	
21	15		427.4	3	or B1 to 127.35	r 2×(127.35 + 86.55) or 2×(127.35 + 86.45) for two of these figures: 6, 86.55, 127.25, 86.45 seen 6 scored, SC2 for upper bound 427.8 or bound 427.4 provided nfww	
22	6	44		2	B1 for 75	5 or 119.5 seen	
23	10	7			2 B1 fc	or 120.5 or 113.5 seen	
24	4		18.45 18.75	1		ored, SC1 for 6.15 and 6.25 seen correct answers reversed	
25	18		16.2 16.6 nfww	3	or $2 \times (5.8)$ or $2 \times (5.8)$ A1 16.2 or If zero sco	o of 2.35, 5.75, 2.45, 5.85 seen 3 – 0.05 + 2.4 — 0.05) 3 + 0.05 + 2.4 + 0.05) or 16.6 in either answer space ored SC2 for both correct reversed rovided 16.6 nfww	
26	20	18	cao nfww 3	M2	$2 \text{ for } \frac{877.5}{7.5 \times 6}$ B1 for any tr	5.5 wo of 877.5, 7.5 and 6.5 seen	
27	12	8	7 cao nfww	3	or M1 for 5 or for (50	7.04 or 87.0 nfww 00.5 or 5.75 seen 00 + 0.5) ÷ (5.8 – 0.05) or truncating their decimal answer to	
28	13		10 cao nfww www.Q8	3 BM aths.	allowing o	$0.5 \times 2 \div 8.5$ ne error in the UB or LB provided it is $2 \div LB$ one of 42.5 or 8.5 seen as bounds	

