

GCSE MATHEMATICS - PAPER 3H

Summer 2022 Predicted Paper Mark Scheme

Question	Working	Mark	Comment
1	(_13)	81	
2	399.5 kg ≤ mass < 400.5 kg	81	
3	3y + 8	81	
4a	14	A1	-
4b	32	A1	
4c	Substitutes in $n=1$ and arrives at 2 or Substitutes in $n=2$ and arrives at 8	M1	
	Substitutes in $n=1$ and $n=2$ and arrives at 2 and 8 respectively	A1	
5	(60 =) 2 × 2 × 3 × 5 or (84 =) 2 × 2 × 3 × 7 or 1,2,3,4,5,6,10,12,15,20,30,60 or 1,2,3,4,6,7,12,14,21,28,42,84 or 2 × 2 × 3	81	Fully correct prime factor tree i
	12	A1.	
6	$ \begin{array}{l} (\tan x =) \frac{41}{18} \\ \text{or} \\ \tan^{-1}\left(\frac{41}{18}\right) \end{array} $	Mi	
	66.2() or 66.3 or 66 if M1 awarded	A1	
7a	4 and -2	A1	1
7b	(08) or -8	A1	

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