

MOCK PURE PAPER 1 – MARK-SCHEME

Question 1 (Total 4 marks)

Part	Working or answer an examiner might expect to see	Mark	Notes
(a)	$16 + (21 - 1) \times d = 24 \Rightarrow d = \dots$	M1	This mark is given for using correct method to find the common difference.
	$d = 0.4$	A1	This mark is given for finding the correct value of the common difference.
(b)	$S_n = \frac{1}{2} n \{ 2a + (n - 1)d \}$ $S_{500} = \frac{1}{2} \times 500 \{ 2 \times 16 + 499 \times 0.4 \}$	M1	This mark is given for using the correct formula with $a = 16$, $n = 500$ and their numerical d they found in part (a).
	$= 57900$	A1	This mark is given for finding the correct value.

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JE Gale



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web choose 1 answer the final temperature is closer to t₁ than to t₂ a the final temperature is closer to t₁ than to t₂ the final temperature is exactly halfway between t₁ and t₂ b the final temperature is exactly halfway between t₁ and t₂ the final temperature is closer to t₂ than to t₁ c

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