

PURE MATHEMATICS
A level Practice Paper

Set 13
MARK SCHEME

1	Correctly factorises the denominator of the left-hand fraction: $\frac{6}{(2x+5)(2x-1)} + \frac{3x+1}{2x-1}$	M1
	Multiplies the right-hand fraction by $\frac{2x+5}{2x+5}$ For example: $\frac{6}{(2x+5)(2x-1)} + \frac{(3x+1)(2x+5)}{(2x-1)(2x+5)}$ is seen.	M1
	Makes an attempt to distribute the numerator of the right-hand fraction. For example: $\frac{6+6x^2+17x+5}{(2x+5)(2x-1)}$ is seen.	M1
	Fully simplified answer is seen. Accept either $\frac{6x^2+17x+11}{(2x+5)(2x-1)}$ or $\frac{(6x+11)(x+1)}{(2x+5)(2x-1)}$	A1
TOTAL: 4 marks		

2a	Uses $a_n = a + (n-1)d$ substituting $a = 5$ and $d = 3$ to get $a_n = 5 + (n-1)3$	M1
	Simplifies to state $a_n = 3n + 2$	A1
		(2 marks)
2b	Use the sum of an arithmetic series to state $\frac{k}{2}[10 + (k-1)3] = 948$	M1
	States correct final answer $3k^2 + 7k - 1896 = 0$	A1
		(2 marks)
TOTAL: 4 marks		

13 Mathematics SI Mark Scheme

Wenbin Ji



13 Mathematics SI Mark Scheme:

This book delves into 13 Mathematics SI Mark Scheme. 13 Mathematics SI Mark Scheme is an essential topic that must be grasped by everyone, from students and scholars to the general public. This book will furnish comprehensive and in-depth insights into 13 Mathematics SI Mark Scheme, encompassing both the fundamentals and more intricate discussions.

1. This book is structured into several chapters, namely:
 - Chapter 1: Introduction to 13 Mathematics SI Mark Scheme
 - Chapter 2: Essential Elements of 13 Mathematics SI Mark Scheme
 - Chapter 3: 13 Mathematics SI Mark Scheme in Everyday Life
 - Chapter 4: 13 Mathematics SI Mark Scheme in Specific Contexts
 - Chapter 5: Conclusion
2. In chapter 1, the author will provide an overview of 13 Mathematics SI Mark Scheme. The first chapter will explore what 13 Mathematics SI Mark Scheme is, why 13 Mathematics SI Mark Scheme is vital, and how to effectively learn about 13 Mathematics SI Mark Scheme.
3. In chapter 2, this book will delve into the foundational concepts of 13 Mathematics SI Mark Scheme. The second chapter will elucidate the essential principles that need to be understood to grasp 13 Mathematics SI Mark Scheme in its entirety.
4. In chapter 3, this book will examine the practical applications of 13 Mathematics SI Mark Scheme in daily life. The third chapter will showcase real-world examples of how 13 Mathematics SI Mark Scheme can be effectively utilized in everyday scenarios.
5. In chapter 4, the author will scrutinize the relevance of 13 Mathematics SI Mark Scheme in specific contexts. The fourth chapter will explore how 13 Mathematics SI Mark Scheme is applied in specialized fields, such as education, business, and technology.
6. In chapter 5, the author will draw a conclusion about 13 Mathematics SI Mark Scheme. This chapter will summarize the key points that have been discussed throughout the book.

This book is crafted in an easy-to-understand language and is complemented by engaging illustrations. It is highly recommended for anyone seeking to gain a comprehensive understanding of 13 Mathematics SI Mark Scheme.

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