

## **C1 Extension Questions 6 Sequences And Series Additional Questions For Core Mathematics 1 Sequences And Series Core 1 Extension Questions**

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# Access Free C1 Extension Questions 6 Sequences And Series Additional Questions For Core Mathematics 1 Sequences And Series Core 1 Extension Questions

## C1 Extension Questions 6 Sequences

Questions separated by topic from Core 1 Maths A-level past papers

### C1 Questions by Topic - Maths A-level - Physics & Maths Tutor

Solomon Press C1 SEQUENCES AND SERIES Answers - Worksheet B 1  $a d = 6$   $b d = -3$   $c d = 2.3$   
 $u_{40} = 4 + (39 \times 6) = 238$   $u_{40} = 30 + (39 \times -3) = -87$   $u_{40} = 8.9 + (39 \times 2.3) = 98.6$  2  $a a = 7$ ,  $d = 2$   $b a = 16$ ,  $d = 4$   $3 c a = 17$ ,  $d = -8$   $u_n = 7 + 2(n - 1) = 5 + 2n$   $u_n = 16 + 4 \cdot 3(n - 1) = 76 - 4 \cdot 3n$   $u_n = 17 - 8(n - 1) = 25 - 8n$  3  $a a = 8$ ,  $d = 4$ ,  $n = 30$   $b a = 60$ ,  $d = -7$ ,  $n = 30$   $c a = 1$

### SEQUENCES AND SERIES Answers - Worksheet A

Solomon Press C1 SEQUENCES AND SERIES Worksheet C 1 The third term of an arithmetic series is  $-10$  and the sum of the first eight terms of the series is  $16$ . a Find the first term and common difference of the series. b Find the smallest value of  $n$  for which the  $n$ th term of the series is greater than  $300$ . 2 The third and seventh terms of an arithmetic series are  $5$

### C1 SEQUENCES AND SERIES Worksheet C

C1 Sequences and Series: File Size: 23 kb: File Type: pdf: Download File. ... Exam Style Questions 1 (Q9/10) (6) Exam Style Questions 2 (Q11) TRIGONOMETRY (EQUATIONS & IDENTITIES) C2 Trigonometry: ... C1 Extension Paper: File Size: 35 kb: File Type: pdf: Download File. Core 2 EP. C2 Extension Paper:

### A Level Page - [www.m4ths.com](http://www.m4ths.com) GCSE & A LEVEL MATHS

Chapter 6 Sequences and Series 6.1 Arithmetic and geometric sequences and series The sequence defined by  $u_1 = a$  and  $u_n = u_{n-1} + d$  for  $n \geq 2$  begins  $a$ ,  $a+d$ ,  $a+2d$ ,  $K$  and you should recognise this as the arithmetic sequence with first term  $a$  and common difference  $d$ . The  $n$ th term (i.e. the solution) is given by  $u_n = a + (n - 1)d$ .

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## **Chapter 6 Sequences and Series 6 SEQUENCES AND SERIES**

You can find C1 Solomon worksheets and answers below. The worksheets are for individual use only. Institutions wishing to use them need to purchase a licence from Churchill Maths. C1 Algebra - Answers; C1 Algebra - Questions; C1 Coordinate Geometry - Answers; C1 Coordinate Geometry - Questions; C1 Differentiation - Answers; C1 Differentiation ...

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### **Arithmetic Series | Teaching Resources**

Reading practice to help you understand long, complex texts about a wide variety of topics, some of which may be unfamiliar. Texts include specialised articles, biographies and summaries.

### **Reading - Advanced C1 | British Council**

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### **Mathematics Extension 1 - Department of Education**

Solomon Press C1 SEQUENCES AND SERIES Worksheet B 1 For each of the following arithmetic series, write down the common difference and find the value of the 40th term. a  $4 + 10 + 16 + 22 + \dots$  b  $30 + 27 + 24 + 21 + \dots$  c  $8.9 + 11.2 + 13.5 + 15.8 + \dots$  2 For each of the following arithmetic series, find an expression for the  $n$ th term in the form  $a + bn$ . a  $7 + 9 + 11 + 13 + \dots$

### **SEQUENCES AND S Worksheet A - PMT**

Created by Steve Blades. Lead Teacher of Mathematics and Ofsted rated Outstanding. All videos and worksheets can be found at [www.m4ths.com](http://www.m4ths.com) All questions are my own and do not infringe any ...

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### **Geometric Series | Teaching Resources**

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The Corbettmaths Practice Questions on the nth term for Linear Sequences

## Sequences nth Term Practice Questions - Corbettmaths

(C1-6.6a) Name: Homework Questions 6 - Partial sums of Arithmetic Sequences 1. Find the sum of the following series a) 17, 25, 33, 41...(25 terms) 732 b) 15, 26, 37, 42....(15 terms) ... Find the 3rd term of the arithmetic sequence if the 6th term is 24 and the 15th term is 21 a = 25 2 3

## (C1-6.1a) Name: Homework Questions 1 - Terms of a Sequences

Find the explicit formula for the geometric sequence c, with the following information given.  $c_1 = 6$   
3 C4 Select the correct answer below:  $C_n = (6)^n$   $C_n = \frac{1}{6}n$   $C = 6(-)^{n-1}$   $C = 6(4)^n$   
G = 6  $(\frac{1}{6})^{n-1}$

## Answered: Find the explicit formula for the... | bartleby

Geometric Series Questions (c) Find the sum to infinity of the geometric series  $5 + 6 + 5 + 18 + 5 + 54 + \dots$  [3] (d) State the condition for an infinite geometric series with common ratio r to be convergent. [1] Question 10 - Jan 2007 6. A trading company made a profit of \$50,000 in 2006 (Year 1).

## Geometric Series - Past Edexcel Exam Questions

Sequences and series Series and partial sums Definitions Definition (Series) Let  $a_0, a_1, a_2, \dots$  be any sequence. Then, the sum  $\sum_{i=0}^n a_i$  is called a series. Definition (Partial sum) Let  $n \in \mathbb{N}$ . Then, the nth partial sum of the series  $\sum_{i=0}^{\infty} a_i$ , denoted  $S_n$ , is the sum  $\sum_{i=0}^n a_i$ . The partial sums themselves also form a sequence!

## Mathematical Induction - cs.umd.edu

Go to <http://www.examsolutions.net/a-level-maths-papers/Edexcel/Core-Maths/Core-Maths-C1/2013-January/paper.php> to see other questions in this paper, index, ...

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