



NOT TO SCALE

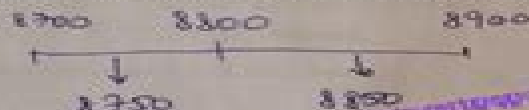
Calculate the length of  $AB$ .

$$\cos 28^\circ = \frac{AB}{8}$$

$$AB = 8 \cos 28^\circ \approx 7.06358 \dots \approx 7.06 \text{ (3 sf)}$$

Answer  $AB = 7.06$  cm [2]

- 11 The height of Mount Everest is 8800 m, correct to the nearest hundred metres.

Complete the statement about the height,  $h$  metres, of Mount Everest.Answer  $8750 \leq h < 8850$  [2]

- 12 Colin is travelling from Sydney, Australia, to Auckland, New Zealand.

- (a) Colin's bus leaves for Sydney airport at 12:38.  
The bus arrives at the airport at 13:24.

$$\begin{array}{lcl} 12:38 & \rightarrow & 13:00 & 22 \text{ min} \\ 13:00 & \rightarrow & 13:24 & 24 \text{ min} \end{array}$$

How many minutes does the bus journey take?

Answer (a) 46 min [1]

- (b) Colin's flight from Sydney to Auckland leaves at 14:45 local time and takes 3 hours 20 minutes.  
The time in Auckland is 2 hours ahead of the time in Sydney.

$$\begin{array}{l} 14:45 + 3 \text{ h } 20 \text{ min} \\ 18:05 \text{ time in Sydney} \end{array}$$

What is the local time in Auckland when his flight arrives?

Answer (b) 20:05 [2]



# Answers For 2014 Sgcse Mathematics Paper 3

**Sue Johnston-Wilder, Clare Lee, David  
Pimm**



### **Answers For 2014 Sgcse Mathematics Paper 3:**

**Success! Passing the Professional Skills Tests for Teachers** Jenny Lawson, Annabel Charles, Trish Kreft, 2025-02-28

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Kevin Evans, Keith Gordon, Brian Speed, Michael Kent, 2021-01-01 Exam Board Edexcel Level Subject GCSE Maths First teaching September 2015 First exams June 2017 Endorsed by Edexcel **Success! Passing the Numeracy Skills Test for Teachers** Trish Kreft, 2025-02-28 An ESSENTIAL book for anyone who wants to pass the Numeracy Skills Test for Teachers You must pass this test before starting your course and this up to date text tells you exactly what to expect and how to prepare for the latest version of the test There is an emphasis on support and clear guidance throughout along with plenty of practice material so you can face the test with confidence and succeed in your application It provides a guide to the variety of Initial Teacher Training ITT provision and routes into teaching a preparation timeline comprehensive coverage of the numeracy test an audit of your strengths and areas for improvement in numeracy example questions and answers highlighting common errors providing top tips for success with theories and methods fully explained full practice papers plus test taking and revision strategies discrete topics enable focused learning with explanations and hundreds of examples larger format pages for ease of use and more memorable learning **Advancing Human Assessment** Randy E. Bennett, Matthias

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and the Trends in Mathematics and Science Study TIMSS In addition to its comprehensive coverage of contributions to the theory and methodology of educational and psychological measurement and statistics the book gives significant attention to ETS work in cognitive personality developmental and social psychology and to education policy analysis and program evaluation The chapter authors are long standing experts who provide broad coverage and thoughtful insights that build upon decades of experience in research and best practices for measurement evaluation scientific psychology and education policy analysis Opening with a chapter on the genesis of ETS and closing with a synthesis of the enormously diverse set of contributions made over its 70 year history the book is a useful resource for all interested in the improvement of human assessment

*WJEC GCSE Maths Higher: Mastering Mathematics Revision Guide* Keith Pledger, Joe Petran, Gareth Cole, 2022-02-28 Exam Board WJEC Level GCSE Subject Mathematics First Teaching September 2015 First Exam June 2017 Maximise your students grade potential with a step by step approach that builds confidence through topic summaries worked examples and exam style questions Identify areas of improvement to focus on through diagnostic tests for each topic Develop exam skills and techniques with skills focused exam style questions and exam advice on common pitfalls Build understanding and confidence with clear explanations of each topic covering all the key information needed to succeed Consolidate revision with two weeks to go summaries for each topic

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**Learning to Teach Mathematics in the Secondary School** Sue Johnston-Wilder, Clare Lee, David Pimm, 2016-09-13 Learning to Teach Mathematics in the Secondary School combines theory and practice to present a broad introduction to the opportunities and challenges of teaching mathematics in the secondary school classroom This fourth edition has been fully updated to reflect the latest changes to the curriculum and research in the field taking into account key developments in teacher training and education including examinations and assessment Written specifically with the new and student teacher in mind the book covers a wide range of issues related to the teaching of mathematics such as why we teach mathematics the place of mathematics in the National Curriculum planning teaching and assessing for mathematics learning how to communicate mathematically using digital technology to advance mathematical learning working with students with special educational needs post 16 teaching the importance of professional development the

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**GCSE Maths Edexcel Foundation Student Book (Collins GCSE Maths)** Kevin Evans,Keith Gordon,Brian Speed,Michael Kent,2021-09-20 Exam Board Edexcel Level Subject GCSE Maths First teaching September 2015 First exams June 2017 Endorsed by Edexcel

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