



MARKS: 60

This memorandum consists of 3 pages.

Important information:

1. Give full marks for answers only, unless otherwise stated.
2. Accept any alternative correct solution that is not included in the memorandum.
3. CA refers to consistent accuracy. See clarification in question 8.1

Question	Expected Answer	Clarification	Mark allocation	Total
1.	1.1 B ✓ 1.2 D ✓ 1.3 C ✓ 1.4 B ✓ 1.5 C ✓ 1.6 B ✓ 1.7 A ✓ 1.8 B ✓		1 1 1 1 1 1 1 1	8
2.	2.1 33 755 ✓ 2.2 100 000 ✓		1 1	2
3.	200 000 or 2 Hundred Thousand or 2HTh ✓		1	1
4.	< ✓		1	1
5.	9 ✓		1	1
6.	19 ✓ 25 ✓	(Rule 3 = $2 \times 1 + 1$ $5 = 2 \times 2 + 1$ $7 = 2 \times 3 + 1$ $19 = 2 \times 9 + 1$ $25 = (51-1) \div 2$	1 1	2
7.	7.1 True ✓ 7.2 False ✓ 7.3 True ✓		1 1 1	3
8.	8.1 $\begin{array}{r} 11\,523 \\ 21\,275 \\ + 7\,356 \\ \hline 40\,154 \end{array}$ ✓ or $\begin{array}{l} 11\,523 = 10\,000 + 1\,000 + 500 + 20 + 3 \\ 21\,275 = 20\,000 + 1\,000 + 200 + 70 + 5 \\ + 7\,356 = 7\,000 + 300 + 50 + 6 \\ \hline \text{Sum} = 40\,000 + \quad + 100 + 50 + 4 \\ = 40\,154 \end{array}$ ✓ or $\begin{array}{l} 10\,000 + 1\,000 + 500 + 20 + 3 + 20\,000 + 1\,000 + 200 + \\ 70 + 5 + 7\,000 + 300 + 50 + 6 \\ = 10\,000 + 20\,000 + 1\,000 + 1\,000 + 7\,000 + 500 + 200 \\ + 300 + 20 + 70 + 50 + 3 + 5 + 6 \\ = 40\,000 + 100 + 50 + 4 \\ = 40\,154 \end{array}$ ✓ 8.2 $\begin{array}{r} 69\,157 \\ -17\,239 \\ \hline 51\,918 \end{array}$ ✓	Arrangement of values: 1 mark Correct answer: 1 mark $\begin{array}{r} 11\,523 \\ 21\,275 \\ + 7\,356 \\ \hline 106\,358 \end{array}$ X 1 mark for CA.	2 2	

Mathematics Memorandum 2013 Grade 1

**Cyril Julie, Lorna Holtman, Charles R.
Smith**



Mathematics Memorandum 2013 Grade 1:

The Next Generation of Testing Hong Jiao, Robert W. Lissitz, 2015-11-01 The Race To The Top RTTP federal education policy fostered a new generation of state tests This policy advocated adopting common core standards which set a higher level of learning targets for students in the US K 12 education These standards are intended to assess higher order thinking skills and prepare students ready for college and career In the meantime they are aligned with those for international assessments which keep US students abreast of their international peers Furthermore the new generation of state tests requires the use of technology enhanced items to align student assessments with student learning environment Computer technology is indispensable to accomplish this goal Computer based tests related to common core standards are different from previous state computer based tests in two important aspects one is that the current version requires accurate assessment of students along all ability levels and the other is that it promotes the use of an efficient test delivery system essentially the use of computerized adaptive assessment in K 12 state testing programs In addition to providing summative information about student learning the new common core tests add formative assessment component in the whole assessment system to provide timely feedback to students and teachers during the process of student learning and teacher instruction As with its predecessor the new assessment policy also holds teachers and schools accountable for student learning With the requirements by the new federal education policy states formed two consortia Partnership for Assessment of Readiness for College and Careers PARCC and Smarter Balanced Assessment Consortium SBAC to develop assessments in alignment with the new common core standards This book is based on the presentations made at the Thirteenth Annual Maryland Assessment Research Center's Conference on The Next Generation of Testing Common Core Standards Smarter Balanced PARCC and the Nationwide Testing Movement Experts from the consortia and nationwide overviewed the intention history and the current status of this nationwide testing movement Item development test design and transition from old state tests to the new consortia tests are discussed Test scoring and reporting are specially highlighted in the book The challenges related to standard setting for the new test especially in the CAT environment and linking performance standards from state tests with consortium tests were explored The issues of utilizing the consortium test results to evaluate students college and career readiness is another topic addressed in the book The last chapters address the critical issue of validity in the new generation of state testing programs Overall this book presents the latest status of the development of the two consortium assessment systems It addresses the most challenging issues related to the next generation of state testing programs including development of innovative items assessing higher order thinking skills scoring of such items standard setting and linkage with the old state specific standards and validity issues This edited book provides a very good source of information related to the consortium tests based on the common core standards **The Complete Book of Colleges, 2013 Edition** Princeton Review, 2012-08-07 Profiles every four year college in the United States providing detailed

information on academic programs admissions requirements financial aid services housing athletics contact names and campus life **Caught in the Act** Cyril Julie,Lorna Holtman,Charles R. Smith,2019-12-11 The research reported in Caught in the Act draws together the insights gained from a continuous professional development initiative for high school mathematics teachers teaching in low socio economic status and socially challenged environments in South Africa The chapters show the possibilities for enhancing achievement in school mathematics if a strength based approach is adopted to develop teaching with teachers and when their concerns are taken seriously The book demonstrates that the ecological relevance fitness for the context in which teachers are teaching of the goods developed and distributed by initiatives should be a major consideration to offer hope for sustainable implementation to improve school mathematics education The book is of interest to mathematics teachers school leaders mathematics curriculum advisors policy makers and researchers

Interior, Environment, and Related Agencies Appropriations for 2013 United States. Congress. House. Committee on Appropriations. Subcommittee on Interior, Environment, and Related Agencies,2012 Mobile Learning and Mathematics Helen Crompton,John Traxler,2015-02-11 Mobile Learning and Mathematics provides an overview of current research on how mobile devices are supporting mathematics educators in classrooms across the globe Through nine case studies chapter authors investigate the use of mobile technologies over a range of grade levels and mathematical topics while connecting chapters provide a strong foundational background in mobile learning theories instructional design and learner support For current educators Mobile Learning and Mathematics provides concrete ideas and strategies for integrating mobile learning into their mathematics instruction for example by sharing resources that will help implement Common Core State Standards or by streamlining the process of selecting from the competing and often confusing technology options currently available A cutting edge research volume this collection also provides a springboard for educational researchers to conduct further study

From Thomas to Train Conductor Suzanne Jacobsen,2013-07 In 2010 Kirin Jacobsen walks across the auditorium stage to receive his Bachelor s Degree For his parents Suzanne and John Jacobsen this moment is more than a milestone it is a celebration of Kirin s courage to overcome enormous obstacles Follow the Jacobsen family as Kirin grows from a boy who passionately loves Thomas the Tank Engine into a wise and wonderful young man who becomes a train conductor The Jacobsen family faces many challenges with medical professionals and educators demonstrating the extent of the advocacy required to support Kirin into adulthood Individuals with developmental differences and their families are constantly faced with ignorance complacency disrespect and misunderstanding The Jacobsens story is shared to encourage parents to advocate for their loved ones and inspire changes that will make a difference in the lives of these individuals Budget of the United States Government United States. Office of Management and Budget,2014 **The Most Important Year** Suzanne Bouffard,2017-09-05 An eye opening look inside pre K in America and what it will take to give all children the best start in school possible At the heart of this groundbreaking book are two urgent questions What do our young children need

in the earliest years of school and how do we ensure that they all get it Cutting edge research has proven that early childhood education is crucial for all children to gain the academic and emotional skills they need to succeed later in life Children who attend quality pre K programs have a host of positive outcomes including better language literacy problem solving and math skills down the line and they have a leg up on what appears to be the most essential skill to develop at age four strong self control But even with this overwhelming evidence early childhood education is at a crossroads in America We know that children can and do benefit but we also know that too many of our littlest learners don t get that chance millions of parents can t find spots for their children or their preschoolers end up in poor quality programs With engrossing storytelling journalist Suzanne Bouffard takes us inside some of the country s best pre K classrooms to reveal the sometimes surprising ingredients that make them work and to understand why some programs are doing the opposite of what is best for children It also chronicles the stories of families and teachers from many backgrounds as they struggle to give their children a good start in school This book is a call to arms when we are at a crucial moment and perhaps on the verge of a missed opportunity We now have the means and the will to have universal pre kindergarten but we are also in grave danger of not getting it right

Fiscal Year 2013 Appendix, Budget of the U.S. Government , Presents detailed information on individual programs and appropriation accounts that constitute the budget Includes for each Government department and agency the text of proposed appropriations language budget schedules for each account new legislative proposals and explanations of the work to be performed and the funds needed and proposed general provisions applicable to the appropriations of entire agencies or groups of agencies NOTE NO FURTHER DISCOUNTS FOR ALREADY REDUCED SALE ITEMS **The Insider's Guide to the Colleges, 2013** Yale Daily News,Yale Daily News Staff,2012-07-03 College students discuss what colleges are really like including grades sports social life alcohol policies gender relations admissions and classes

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7 effective opening prayers for worship faithgiant - Sep 05 2023

web christmas happy new month prayers prayer for events opening prayers closing prayers prayer before bible study closing prayer for bible study offertory prayer baby dedication

opening prayer for a church worship service or meeting - Aug 04 2023

web the prayers that take place in the sacristy before mass begins offer the opportunity to focus people s thoughts upon god so that they are better prepared to hear his word sacristy

17 strong intercessory prayer points for sunday service - Feb 27 2023

web mar 26 2022 1 start by thanking god for his presence 2 ask god to guide and direct the service 3 pray for the people who will be speaking or leading during the service

opening prayers to start your bible study worship and - Dec 28 2022

web people come early to church around 9 00am to do intercessory prayer raise up prayer warriors musicians singers teachers preachers evangelists intercessors etc in our

prayer for sunday service - Apr 19 2022

prayer for sunday morning worship service - Dec 16 2021

20 strong opening prayer points for church service - May 01 2023

web in his name i pray amen