

Performance Tasks

Algebra II, Unit 1: Systems of Equations and Inequalities

Directions: Please solve the following problems individually or with your peers. Use a whiteboard to share your ideas.

Task A (50 pts): Show all your work on paper. You can scan the paper or take a picture of your work then upload it to your e-portfolio. Yes, you must attempt to solve ALL the problems below.

Task B (50 pts): Among the problems below, pick three of the problems you feel most comfortable to share your approach. Film yourself explaining. Assume that you are teaching someone who have not studied this unit. Edit the video if necessary, then upload it to your e-portfolio. Your peers will evaluate your teaching.

- ★ 1. Susie pays for 4 muffins and 3 bananas. Calvin spends twice as much paying for 2 muffins and 16 bananas. A muffin is how many times as expensive as a banana?

(A) $\frac{3}{2}$ (B) $\frac{5}{3}$ (C) $\frac{7}{4}$ (D) 2 (E) $\frac{13}{4}$

$$4x + 3y = 5$$

$$2x + 16y = 25$$

$$1) x = y$$

$$2(4x + 3y = 5)$$

$$-8x - 6y = -25$$

$$2x + 16y = 25$$

$$-6x + 10y = 0$$

$$10y = 6x$$

$$2$$

$$5y = 3x$$

$$3$$

$$\frac{5}{3} y = x$$

Algebra 1 Performance Task 12 Answer

DP Hallahan



Algebra 1 Performance Task 12 Answer:

A Collection of Performance Tasks & Rubrics: High School Mathematics Charlotte Danielson, Elizabeth Marquez, 2014-05-22 This book provides a collection of performance tasks and scoring rubrics for a number of important topics in high school mathematics Included are many samples of student work which clarify the tasks and anchor the points of the scoring rubrics

Bringing Project-Based Learning to Life in Mathematics, K-12 Maggie Lee McHugh, 2023-05-04 Go beyond problem solving and performance tasks Bring project based learning to life Do you want your students to be more engaged in their mathematics lessons while also amplifying cultural relevancy and equity If so proceed to the next level of instruction with project based learning PBL This book provides the whole PBL game plan designed by an experienced award winning teacher and researcher Whether you want to start with small steps or you are ready for full implementation in your classroom project based learning experiences can lead to forever memories and deeper learning for your students Answering the why what and how of embarking on the journey toward PBL readers will find Need to Know questions to open each chapter Student and educator vignettes to identify stumbling blocks and successes PBL Plus Tips that identify those small steps teachers can make to gradually shift toward PBL Your Turn prompts to actively connect ideas to your practice This approachable guide includes everything you need to move from tasks to memorable project based experiences that leverage student voice and choice and build a welcoming classroom culture

Pilot Response to Peripheral Vision Cues During Instrument Flying Tasks A. Howard Hasbrook, Paul E. Young, 1968

Performance Tasks and Rubrics for High School Mathematics Charlotte Danielson, Elizabeth Marquez, 2016-03-02 Performance tasks are highly effective tools to assist you in implementing rigorous standards But how do you create evaluate and use such tools In this bestselling book educational experts Charlotte Danielson and Elizabeth Marquez explain how to construct and apply performance tasks to gauge students deeper understanding of mathematical concepts at the high school level You ll learn how to Evaluate the quality of performance tasks whether you ve written them yourself or found them online Use performance tasks for instructional decision making and to prepare students for summative assessments Create your own performance tasks or adapt pre made tasks to best suit students needs Design and use scoring rubrics to evaluate complex performance tasks Use your students results to communicate more effectively with parents This must have second edition is fully aligned to the Common Core State Standards and assessments and includes a variety of new performance tasks and rubrics along with samples of student work Additionally downloadable student handout versions of all the performance tasks are available as free eResources from our website www.routledge.com 9781138906990 so you can easily distribute them to your class

Teaching to the Math Common Core State Standards F. D. Rivera, 2015-06-17 This is a methods book for preservice middle level majors and beginning middle school teachers It takes a very practical approach to learning to teach middle school mathematics in an emerging Age of the Common Core State Standards The Common Core State Standards in

Mathematics CCSSM is not meant to be the official mathematics curriculum it was purposefully developed primarily to provide clear learning expectations of mathematics content that are appropriate at every grade level and to help prepare all students to be ready for college and the workplace A quick glance at the Table of Contents in this book indicates a serious engagement with the recommended mathematics underlying the Grade 5 through Grade 8 and traditional pathway Algebra I portions of the CCSSM first with issues in content practice assessment learning teaching and classroom management pursued next and in that order In this book we explore what it means to teach to the CCSSM within an alignment mindset involving content practice learning teaching and assessment The Common Core state content standards which pertain to mathematical knowledge skills and applications have been carefully crafted so that they are teachable learnable coherent fewer clearer and higher The practice standards which refer to institutionally valued mathematical actions processes and habits have been conceptualized in ways that will hopefully encourage all middle school students to engage with the content standards more deeply than merely acquiring mathematical knowledge by rote and imitation Thus in the CCSSM proficiency in content alone is not sufficient and so does practice without content which is limited Content and practice are both equally important and thus must come together in teaching learning and assessment in order to support authentic mathematical understanding This blended multisourced text is a getting smart book It prepares preservice middle level majors and beginning middle school teachers to work within the realities of accountable pedagogy and to develop a proactive disposition that is capable of supporting all middle school students in order for them to experience growth in mathematical

understanding that is necessary for high school and beyond including future careers **Houghton Mifflin Math Central**
 Laurie Boswell, Patsy F. Kanter, 1999 **Anticipation and the control of voluntary action** Dorit Wenke, Rico Fischer, A major hallmark in the adaptive control of voluntary action is the ability to anticipate short and long term future events Anticipation in its various forms is an important prerequisite for higher order cognitive abilities such as planning reasoning and the pursuit of both immediate goals and long term goals that may even stand in opposition to immediate desires and needs e g to invest in pension funds Therefore it is not surprising that diverse and rather independent research lines have evolved all somehow targeting various anticipatory capacities that are involved in the control of voluntary action and thus contribute to the uniqueness of human goal directed behavior For example prediction of the incentive value of action outcomes drives goal directed instrumental behavior e g Dickinson Rushworth Prinz 1990 Furthermore the degree of match between intended anticipated and actual action effects has been proposed to be a major determinant of motor programming and online action corrections Jeannerod 1981 motor learning e g Wolpert Diedrichsen e g Abell Happ Los Nobre Coull 2010 and to anticipate conflict e g Correa Rao Nobre 2009 Voluntary action is influenced by the anticipation and prediction of mental effort in task processing e g Song Schwarz 2008 In addition the anticipation of long term future social consequences e g expected aloneness has been shown to affect cognitive mechanisms involved in logic and reasoning e g Baumeister

Twenge Nuss 2002 Last but not least learning of statistical contingencies e g conflict frequency leads to the anticipation and prediction of context specific executive control requirements e g Crump Gong Milliken 2006 Dreisbach Haider 2006 The aim of the present Research Topic is to provide a platform that offers the possibility of cross fertilization and enhanced visibility among to date rather segregated research lines *Behavioral and Neurological Effects of Methyl Chloride* ,1976

Houghton Mifflin Math Central: Student text ,1998 *Math That Matters* Marian Small,2019-05-03 In this insightful math resource for grades 3 8 popular professional developer Marian Small helps teachers understand and facilitate meaningful assessments to advance student understandings Small shows new and veteran teachers how to do three fundamental things well identify the most important math to assess construct meaningful assessments both formative and summative to measure student understanding and provide students with feedback that is clear timely and specific Examples for each grade level are provided along with details on how to pose questions analyze errors and help students understand and learn from their mistakes The book provides specific guidance for when and how to offer feedback on both correct and incorrect answers in order to advance students mathematical thinking Like other Marian Small bestsellers *Math That Matters* combines her special brand of lucid explanation of difficult concepts with fresh and engaging activities Our understanding of the power of assessment to improve learning has deepened significantly in the past two decades Marian Small draws upon the critical research behind this understanding to explain what effective practice looks like It is essential reading for all elementary educators and has the potential to profoundly affect the quality of mathematics assessment in our schools From the Foreword by Damian Cooper president Plan Teach Assess Teachers are often clamoring for concise classroom assessments that can capture students conceptual understanding Clamor no more *Math That Matters* is a timely response to that need Marian Small removes the mystery of how to engage students in learning while collecting assessment data that drive next instructional plans Karen Karp Johns Hopkins University The beauty of this book is that it is simple enough for brand new teachers and complex enough for experienced teachers The author offers an amazing gift by linking assessment ideas directly to common state standards Felicia Darling Santa Rosa Junior College

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web in this set of practice questions we will go over the main types of questions on calorimetry including the heat capacity the heat of reaction finding the final temperature of a mixture constant pressure calorimetry and constant volume calorimetry a few important concepts and formulas you will need to solve these questions

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web calorimetry worksheet 1 if 0.315 moles of hexane C_6H_{14} is combusted in a bomb calorimeter containing 5.65 liters of water calculate the molar heat of combustion of hexane if the water temperature rises 55.4°C the specific heat capacity of water is 4.184 J/g°C $m = 5.650$ grams H_2O 4.184 J/g°C 55.4°C $h = 1310$ kJ

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web 6 a 218 g sample of steam at 121°C is cooled to ice at 14°C find the change in heat content of the system 7 in going from

ice at 34°C to steam at 138°C a sample of water absorbs 1.41×10^5 J find the mass of the sample answers 1.268×10^4 J 2.623×10^4 J 3.171×10^4 J 4.111×10^5 J 5.211×10^5 J 6

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