

# Open Ended High School Math Questions

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### [Open Ended High School Math](#)

#### **OPEN-ENDED Q FOR MATHEMATICS - University of Kentucky**

The high school questions were developed as part of professional development provided to mathematics teachers on how to adapt textbook or other problem sources into open-ended questions As presently configured, many of these questions can be used in classrooms for assessment purposes However, the teacher should consider modifying

#### **Students Tell Us the Best Way to Learn Mathematics in High ...**

preference for school structures, including collaboration, independent work, flipped classes and extracurricular mathematics activities like clubs or competitions Two additional open-ended items were included so participants could freely express their opinions about textbooks and “the best way to learn math”

#### **High School Proficiency Assessment (HSPA)**

OPEN-ENDED SCORING FOR MATH Scoring with the Criteria Each New Jersey high school student open-ended response for math is scored by two independent readers at Measurement Incorporated (MI), the HSPA test contractor To score the high school open-ended responses for math, MI selects approximately 100 of its

#### **Using Short Open-ended Mathematics Questions to Promote ...**

Using Short Open-ended Mathematics Questions to Promote Thinking and Understanding Foong Pui Yee National Institute of Education, Singapore, pyfoong@nieedusg The mathematics curriculum in Singapore aligns with 21 st century reform -based visions of scho oling around the world

#### **Open-Ended Question Scoring Rubric**

Open-Ended Question Scoring Rubric 4 Clearly demonstrates an understanding of the task, completes all requirements, and provides an insightful explanation or opinion of the text, or extends aspects of the text 3 Demonstrates an understanding of the task, completes all requirements, and provides some

### **Gifted and Talented Resources for Educators**

Middle School/High School Open-ended math problems - 6-8 The problems are divided into 5 mathematical strands, which makes it easy to search for an exact type of problem that you are looking for The Math Problem Site - 3-12 Interesting math puzzles that seem easy, but can be quite tricky

### **OPEN-ENDED RESPONSES - Lower Cape May Regional School ...**

Tips for Open-Ended Responses R Race: Simply restate the question when answering the prompt This creates a familiarity with the text and also shows the test graders that the student is aware of what is being asked A = Answer: Answer all parts of the question If there are two bullets to a question, they are to answer each bullet in a

### **NEW JERSEY OPEN-ENDED SCORING RUBRIC Points ...**

NEW JERSEY OPEN-ENDED SCORING RUBRIC Points Requirements 4 A 4-point response: clearly demonstrates an understanding of the task completes all requirements of the question(s) provides an insightful and detailed explanation/opinion that includes or extends ideas from the text

### **Parallel and Open Questions Grades K-3**

Parallel and Open Questions Grades K-3 Strand Open task : Parallel task : Number Sense and Numeration ; There are tadpoles in a jar The amount of tadpoles is more than 10 and less than 50 How many tadpoles could there be in the jar TASK #1 You land ...

### **Elementary Mathematics - Open University**

Elementary Mathematics Teacher Education through School-based Support) aims to improve the classroom practices of elementary and secondary teachers in India through the provision of Open Educational Resources ( OERs) to support teachers in developing student ...

### **Asking questions that challenge thinking: fractions**

Asking questions that challenge thinking: fractions Reflecting on your teaching practice When you do such an exercise with your class, reflect afterwards on what went well and what went less well Consider the questions that led to the students being interested and being able to ...

### **Open Ended Questions - Amazon Web Services**

Open Ended Questions These are questions where there are generally multiple answers and multiple pathways to finding the answers They can be readily adapted ...

### **Using Writing in Mathematics to Deepen Student Learning**

Using Writing in Mathematics to Deepen Student Learning "Writing in mathematics gives me a window into my students' thoughts that I don't normally get when they just compute problems It shows me their roadblocks, and it also gives me, as a teacher, a road map" -Maggie Johnston 9th-grade mathematics teacher, Denver, Colorado by

### **201 Math Problem Solving**

206 Maine Holistic Rubric for Mathematics Open-Ended Items Source: Maine Department of Education Subjects: Mathematics # of scales 1 Grade(s) Not specified Scale length 5 Holistic Scale 4 A correct solution and an appropriate strategy are shown or explained and the solution is shown with correct label or description if necessary

### **The Role of Open-ended Problems in Mathematics Education**

The Role of Open-ended Problems in Mathematics Education Open-ended problems have become a popular educational tool in mathematics education in recent years Since mathematical research is nothing that an overwhelming majority of high school students, leave alone students from the 7th grade, would be unable to supply the correct

**Close-Ended Questions**

looking for a guide to liken these types of questions to, you can think of close-ended questions as multiple choice questions on a school exam and open-ended questions as short responses and essay questions on an exam Open-ended Questions Open-ended questions require a response with more depth and a lengthier response

**Bridgeport Public Schools Mathematics Department SUMMER ...**

This 'Summer Math Packet' was prepared to enhance your child's mathematics skills over the summer months and to ensure his/her success in the upcoming school year The open-ended activities involve both skill development and problem solving While most students should be able to complete the

**Choice Boards - Kentucky Department of Education**

for a 6th grade math unit on fractions, decimals, and percents (See page 7 for Bailey's KUD elements) Lead-Deadwood High School teachers Kim Fundaun, Laura Shuck, and Brook Kilian developed a choice board for a 9th grade general science unit on heredity and genetics (See page 7 for their open-ended questions posed at varying levels of

**Mathematics - Performance Assessment Resource Bank**

36 Draft Performance Task: Owning a Pet [Open-Ended Version] 18 37 Instructional Considerations for Each Version of Owning a Pet 20 Candles, Action! (High School) Task, Stimulus, and Items 127 Sample Responses and Scoring Guide for Item 1 143 Sample Responses and Scoring Guide for Item 2 146 Taken during the final 12 weeks of the

**Questions That Promote Deeper Thinking**

1 "Open-ended" questions intentionally designed to provoke divergent thinking Some college instructors spend little class time posing questions to students, or when questions are posed, many are memory-level questions that ask for factual recall, the least likely to promote student involvement