



2013 National Assessment of Educational Progress Mathematics, Grades 4 and 8 Questions

2013 Mathematics Assessment

Kim, Les, Mario, and Nina each had a string 10 feet long.

Kim cut hers into fifths.

Les cut his into fourths.

Mario cut his into sixths.

Nina cut hers into thirds.

After the cuts were made, who had the longest pieces of string?

- A. Kim
- B. Les
- C. Mario
- D. Nina

The correct answer is D.

What are all values of n for which $-2n \geq n + 6$?

- A. $n \leq -2$
- B. $n \geq -2$
- C. $n \geq 0$
- D. $n \leq 6$
- E. $n \geq 6$

The correct answer is A.

Question Information

- **Description:** Compare unit fractions in context
- **Grade:** 4
- **Year:** 2013
- **Block & Number:**
Block M6 Question #9
- **Type of Question:** Multiple Choice
- **Difficulty:** Medium (59.27% Correct)
- **Content Classification:**
 - **Content Area:**
Number properties and operations
 - **Complexity (2005 and on):**
Low

Question Information

- **Description:** Solve an algebraic inequality
- **Grade:** 8
- **Year:** 2013
- **Block & Number:**
Block M7 Question #10
- **Type of Question:** Multiple Choice
- **Difficulty:** Hard (31.54% Correct)
- **Content Classification:**
 - **Content Area:**
Algebra
 - **Complexity (2005 and on):**
Low