

**Smarter Balanced
Sample Test Questions
MATH, Grades 6-8**

**MATH
Grade 6**

Sample question: Consider the inequality $x > 7$.

Determine whether each value of x shown in the table makes this inequality true. Select *yes* or *no* for each value.

	YES	NO
22		
-7		
13		
5		
-39		

Sample performance task question: Design* a new cereal* box for the company. All cereal boxes are rectangular prisms. Then explain why your design is better for the company, based on the requirements.

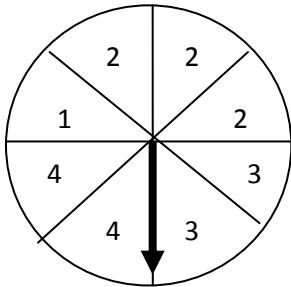
In your response,

-give the dimensions of your box

-explain how your box meets each of the requirements for new boxes.

**MATH
Grade 7**

Sample question: The spinner has 8 equal-sized sections, each labeled 1,2,3, or 4. The arrow on the spinner is spun.



What is the probability of the arrow stopping on a section labeled with a 2?

- A. $\frac{1}{4}$
- B. $\frac{1}{8}$
- C. $\frac{3}{8}$
- D. $\frac{3}{4}$

Sample performance task question: Explain how the **Sample Food Basket** does or does not meet all of the requirements for a food basket.

Type* your answer in the space provided. Use specific numbers in your explanation.

MATH

Grade 8

Sample question: Joe solved this linear system correctly.

$$6x + 3y = 6$$

$$y = -2x + 2$$

These are the last two steps of his work.

$$6x - 6x + 6 = 6$$

$$6 = 6$$

Which statement about this linear system must be true?

- A. x must equal 6
- B. y must equal 6
- C. There is no solution to this system.
- D. There are infinitely many solutions to this system.

Sample performance task question: Interpret the slope of the line from Item 1 in the context* of the situation. Type your answer in the space provided.

*Glossary provided

<http://sbac.portal.airast.org/practice-test/>