

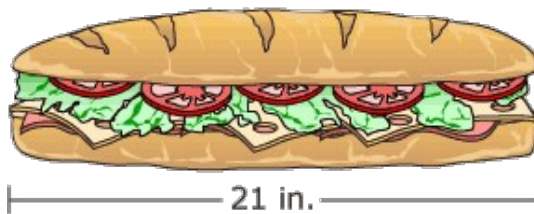
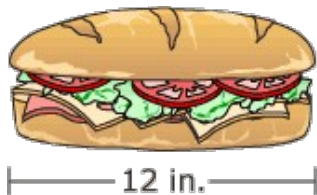
TEST NAME: **6.NS.4 - GCF/LCM Quiz**  
TEST ID: **655046**  
GRADE: **06**  
SUBJECT: **Mathematics**  
TEST CATEGORY: **My Classroom**

Student: \_\_\_\_\_

Class: \_\_\_\_\_

Date: \_\_\_\_\_

1. Mrs. Black purchased two submarine sandwiches.



She plans to cut the submarine sandwiches into smaller sections that are all the same length without having any sandwich left over. What is the greatest length she could make each piece?

- A. 1 inch
  - B. 3 inches
  - C. 4 inches
  - D. 12 inches
2. What is the greatest common factor of 54 and 90?
- A. 9
  - B. 18
  - C. 30
  - D. 45
3. A cook has 16 slices of roast beef and 24 small potatoes. Each plate should have the same number of slices of roast beef and the same number of small potatoes. What is the largest number of plates that can be made with no roast beef or small potatoes remaining?
- A. 4
  - B. 8
  - C. 16
  - D. 24

4. **Matt has soccer practice on May 4. He will practice every fourth day after that. Kent begins baseball practice on May 3, and continues practice every third day after that. What will be the first date on which they both have practice?**
- A. May 5
  - B. May 7
  - C. May 12
  - D. May 24
5. What is the greatest common factor of 36 and 63?
- A. 3
  - B. 6
  - C. 9
  - D. 18
6. Which expression is equal to  $20 + 30$ ?
- A.  $2(12 + 15)$
  - B.  $5(4 + 5)$
  - C.  $6(3 + 5)$
  - D.  $10(2 + 3)$
7. **At a store, markers are sold in packages of 12 and pens are sold in packages of 8. What is the least number of markers and pens Rick needs to buy to have an equal number of markers and pens?**
- A. 12
  - B. 20
  - C. 24
  - D. 40
8. Which expression is equivalent to  $6(9 + 3)$ ?
- A.  $15 + 9$
  - B.  $54 + 18$
  - C.  $54 + 24$
  - D.  $63 + 18$
9. **What is the least common multiple of 6 and 12?**
- A. 6
  - B. 12
  - C. 18
  - D. 72

10. What is the greatest common factor of 11 and 17?

- A. 1
- B. 17
- C. 28
- D. 187

11. At a school fundraiser, batteries are available only in packages of 6. A new robot toy requires 8 batteries. If Mark wants to purchase several of these toys with the exact number of batteries for each toy, what is the least amount of each he should purchase?

- A. 3 packages of batteries and 2 robot toys
- B. 3 packages of batteries and 3 robot toys
- C. 4 packages of batteries and 3 robot toys
- D. 8 packages of batteries and 6 robot toys

12. Richard is thinking of numbers that are divisible by both 10 and 12. What is the smallest number Richard could be thinking of?

- A. 2
- B. 10
- C. 60
- D. 120