



Date Started: _____ Date Completed: _____ Score: _____

Using Divisibility Rules for 3, 6, and 9 to Find the Common Factors of Numbers

A. Read each statement carefully. Write TRUE on the blank if the statement is correct. Otherwise, write FALSE.

- _____ 1. Three is a common factor if 58 and 72.
_____ 2. Six is a common factor of 138 and 204.
_____ 3. Nine is a common factor of 7,218 and 5,040.

B. Complete each statement. Fill in the blanks to make each statement true.

1. The common factors of 45 and 63 are _____.
2. The common factors of 126 and 78 are _____.

C. Read each item carefully. Circle the best answer from among the given choices.

- Suppose that you want to buy 6 oranges. You have two options:
Option 1: A pack of 2 oranges costs ₱90.
Option 2: A pack of 3 oranges costs ₱132.
 - Option 1
 - Option 2
 - Either of the two
 - Neither of the two
- What are the common factors 18, 63, and 90?
 - 1 and 3 only
 - 1 and 9 only
 - 1, 3, and 6
 - 1, 3, and 9
- Suppose the three-digit number 25A is divisible by 9, what is the value of A?
 - 1
 - 2
 - 3
 - 9
- Which of these statements is TRUE?
 - If a number is divisible by 9, then it is divisibly by 6.
 - If a number is divisible by 6, then it is divisible by 3.
 - If a number is divisible by 3, then it is divisible by 9.
 - If a number ends in 9, then it is divisible by 9.
- Which of these numbers is divisible by both 6 and 3?
 - 219
 - 576
 - 746
 - 953