Name Date

Practice B

1.5

Find the GCF of the numbers using any method you like.

4. 8, 12 5. 22, 121 6. 50, 90

\_\_\_\_\_\_ \_\_\_\_\_\_\_ \_\_\_\_\_\_

16. A high school swim team has 12 new female swimmers and 30 returning female swimmers. Each practice team must have the same number of new and returning female swimmers.

a. What is the greatest number of practice teams the coach can make using every swimmer?

b. How many new and returning female students will be on each practice team?

Tell whether the statement is *always*, *sometimes*, or *never* true.

21. The GCF of two numbers is a composite number.

22. The GCF of two numbers is equal to the lesser of the numbers.

23. You have three numbers.

a. Two of the numbers are 24 and 42. What is the GCF of these   
two numbers?

b. The third number is greater than 42 and does not change   
the GCF. What is one possibility for the third number?

TURN OVER →

1.5

24. Describe and correct the error in finding the GCF of 10 and 18.



The GCF is 90.

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

25. You are creating a set of three numbers that have a GCF of 9. You have   
27 and 54 for two of the numbers.

a. What is the GCF of 27 and 54?

b. Find two numbers that you could add to the set of 27 and 54 such that the GCF is now 9.

26. Consider the numbers 308, 616, and 660.

a. Find the prime factorization of each number.

b. Find the GCF of each pair of numbers.

c. Which pair of numbers has a different GCF than the other two pairs?