LESSON 4.1

Name _____ Date _____

Practice B

For use with pages 171–176

Write all the factors of the number.

1. 28 **2.** 34 **3.** 44

4. 46 **5.** 59 **6.** 65

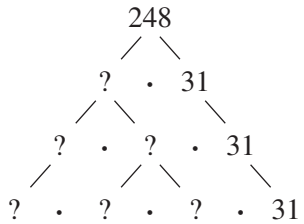
Tell whether the number is *prime* or *composite*.

7. 97 **8.** 127 **9.** 111

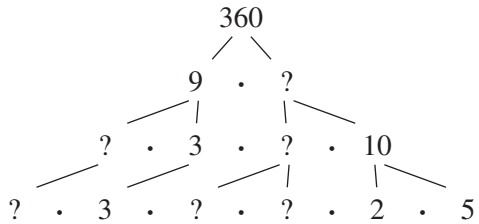
10. 99 **11.** 133 **12.** 149

Complete the factor tree. Then write the prime factorization of the number.

13.



14.



Write the prime factorization of the number.

15. 56 **16.** 69 **17.** 57

18. 77 **19.** 91 **20.** 85

21. 93 **22.** 114 **23.** 108

Factor the monomial.

24. $16x^2y$ **25.** $32b^5c^4$ **26.** $17r^2s^3$

27. $24z^2$ **28.** $40g^3h$ **29.** $57cd^4$

30. Exercise 14 shows a factor tree for 360. Make another factor tree for 360, without using 9 as a factor in the first part of the tree. Compare the results of the trees.

31. You are arranging 70 plants in a rectangular garden with the same number of plants in each row. How many ways can you arrange the garden?

32. A dog kennel groups the dogs in order to determine at what time they will be given a treat. Each group should have the same number of dogs. There are 120 dogs in the kennel. How many groups are possible?