

Practice 3-3

Greatest Common Factor

List the factors to find the GCF of each set of numbers.

1. 8, 12

2. 18, 27

3. 15, 23

4. 17, 34

5. 24, 12

6. 18, 24

7. 5, 25

8. 20, 25

Use a division ladder to find the GCF of each set of numbers.

9. 10, 15

10. 25, 75

11. 14, 21

12. 18, 57

13. 32, 24, 40

14. 25, 60, 75

15. 12, 35, 15

16. 15, 35, 20

Use factor trees to find the GCF of each set of numbers.

17. 28, 24

18. 27, 36

19. 15, 305

20. 24, 45

21. 57, 27

22. 24, 48

23. 56, 35

24. 29, 87

25. 75, 200

26. 90, 160

27. 72, 108

28. 50, 96

Solve.

29. The GCF of two numbers is 850. Neither number is divisible by the other. What is the smallest that these two numbers could be?

30. The GCF of two numbers is 479. One number is even and the other number is odd. Neither number is divisible by the other. What is the smallest that these two numbers could be?

31. The GCF of two numbers is 871. Both numbers are even and neither is divisible by the other. What is the smallest that these two numbers could be?
