

Assignment #1: Problems 2-32, evens

Greatest Common Factor

Name _____

Date _____

Find the greatest common factor (GCF) of 6, 9, and 12.
List the factors of each number.

6: 1, 2, 3, 6

9: 1, 3, 9

12: 1, 2, 3, 4, 6, 12

Common Factors: 1 and 3

Greatest Common Factor: 3

The greatest common factor can also be referred to as the greatest common divisor (GCD).

Write all the common factors for each set of numbers.

1. 10 and 45

2. 12 and 32

3. 24 and 36

4. 9 and 54

5. 15 and 75

6. 60 and 24

7. 4, 8, and 16

8. 7, 13, and 23

9. 8, 20, and 34

Find the GCF (or GCD) for each set of numbers.

10. 8 and 16

11. 6 and 10

12. 12 and 20

13. 14 and 42

14. 7 and 35

15. 9 and 15

16. 5 and 30

17. 8 and 25

18. 7, 28, and 35

19. 4, 12, and 24

20. 13, 26, and 65

21. 18, 51, and 81

Find the GCF (or GCD). Use prime factorization.

22. 36 and 60

23. 40 and 65

24. 28 and 63

25. 70 and 105

26. 26 and 91

27. 33 and 75

28. 56 and 84

29. 81 and 99

30. 15, 45, and 60

31. 34, 85, and 102

32. 16, 64, and 96

33. 56, 64, and 104
