When you find all the factors of two or more numbers, and you find some factors are the same ("common"), the largest of those common factors is the Greatest Common Factor (GCF).

What are the factors of 12? 1, 2, 3, 4, 6, and 12
What are the factors of 20? 1, 2, 4, 5, 10, and 20
Which are the common factors? 1, 2, and 4
What is the GCF? 4

1. Find the GCF of 8 and 12.
   List the factors of 8. ____________________
   List the factors of 12. ____________________
   List the common factors. ____________________
   What is the GCF? ____________________

2. Find the GCF of 15 and 20.
   List the factors of 15. ____________________
   List the factors of 20. ____________________
   List the common factors. ____________________
   What is the GCF? ____________________

3. Find the GCF of 21 and 35.
   List the factors of 21. ____________________
   List the factors of 35. ____________________
   List the common factors. ____________________
   What is the GCF? ____________________

4. Find the GCF of 6 and 18.
   List the factors of 6. ____________________
   List the factors of 18. ____________________
   List the common factors. ____________________
   What is the GCF? ____________________
When you find all the factors of two or more numbers, and you find some factors are the same ("common"), the largest of those common factors is the Greatest Common Factor (GCF).

What are the factors of 12? 1, 2, 3, 4, 6, and 12
What are the factors of 20? 1, 2, 4, 5, 10, and 20
Which are the common factors? 1, 2, and 4
What is the GCF? 4

1. Find the GCF of 8 and 12.
   List the factors of 8. 1, 2, 4, and 8
   List the common factors. 1, 2, and 4
   What is the GCF? 4

2. Find the GCF of 15 and 20.
   List the factors of 15. 1, 3, 5, and 15
   List the common factors. 1 and 5
   What is the GCF? 5

3. Find the GCF of 21 and 35.
   List the factors of 21. 1, 3, 7, and 21
   List the common factors. 1 and 7
   What is the GCF? 7

4. Find the GCF of 6 and 18.
   List the factors of 6. 1, 2, 3, and 6
   List the common factors. 1, 2, 3, and 6
   What is the GCF? 6