Student Name: _____

List the common factors and find GCF.

Example: 3 and 6
Factor of 3: 1, 3
Factor of 6: 1, 2, 3, 6

The common factors are 1 and 3
So the GCF is 3

List the factors	GCF
1. 2: 1, 2 4: 1, 2, 4	2
2. 5: 10:	
3. 10: 15:	
4. 13: 15:	
5. 12: 14:	
6. 14: 7:	
7. 3: 15:	

List the factors	GCF
8. 3: 1, 3 18: 1, 3,6,18	
9. 5: 15:	
10. 18: 15:	
11. 12: 15:	
12. 12: 14:	
13. 14: 2:	
14. 20: 15:	

LIVEWORKSHEETS

Directions: List all the factors of each number, find the common factors, and determine the **Greatest Common Factor (GCF).**

1. 12, 18, 24

- 12 = _____
- 18 = _____
- 24 = _____
- Common Factors = _____
- **GCF =** _____

2. 15, 30, 45

- 15 = _____
- 30 = _____
- 45 = _____
- Common Factors = _____
- **GCF =** _____

3. 20, 25, 30

- 20 = _____
- 25 = _____
- 30 = _____
- Common Factors = _____
- **GCF =** _____

4. 14, 28, 42, 56

- 14 = _____
- 28 = _____
- 42 = _____
- 56 = _____
- Common Factors = _____
- **GCF =** _____

5. 36, 54, 90

- 36 = _____
- 54 = _____
- 90 = _____
- Common Factors = _____
- **GCF =** _____

LIVEWORKSHEETS

Directions: Write the prime factorization of each number. Circle the common prime factors. Multiply them to find the **GCF**.

6. 24, 36, 60

- 24 = _____
- 36 = _____
- 60 = _____
- Common Prime Factors = _____
- **GCF =** _____

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7. 32, 40, 48

- 32 = _____
- 40 = _____
- 48 = _____
- Common Prime Factors = _____
- **GCF =** _____

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8. 18, 27, 81

- 18 = _____
- 27 = _____
- 81 = _____
- Common Prime Factors = _____
- **GCF =** _____

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9. 70, 105, 140

- 70 = _____
- 105 = _____
- 140 = _____
- Common Prime Factors = _____
- **GCF =** _____

---

10. 45, 60, 75

- 45 = _____
- 60 = _____
- 75 = _____
- Common Prime Factors = _____
- **GCF =** _____

LIVEWORKSHEETS

Directions: Use continuous division to find the GCF. Show your division steps and write the final GCF.

11. 36, 60, 84

- Steps:

- **GCF =** _____

12. 64, 96, 128

- Steps:

- **GCF =** _____

13. 42, 56, 70

- Steps:

- **GCF =** _____

14. 50, 100, 150, 200

- Steps:

- **GCF =** _____

15. 18, 30, 45

- Steps:

- **GCF =** _____

LIVEWORKSHEETS