

Name _____

Greatest Common Factor

Find the **Greatest Common Factor (GCF)** for each pair of numbers.

1. 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

List the factors of 18. 1, 2, 3, 6 and 18

What is the GCF? 6

2. Find the GCF of 8 and 12.

List the factors of 8. 1, 2, 4, 8

List the common factors. 1, 2, 4

List the factors of 12. 1, 2, 3, 4, 6, 12

What is the GCF? 4

3. Find the GCF of 12 and 20.

List the factors of 12. 1, 2, 3, 4, 6, 12

List the common factors. 1, 2, 4

List the factors of 20. 1, 2, 4, 5, 10, 20

What is the GCF? 4

4. Find the GCF of 25 and 30.

List the factors of 25. 1, 5, 25

List the common factors. 1, 5

List the factors of 30. 1, 2, 3, 5, 6, 10,
15, 30

What is the GCF? 5

5. Find the GCF of 20 and 15.

List the factors of 20. 1, 2, 4, 5, 10, 20

List the common factors. 1, 5

List the factors of 15. 1, 3, 5, 15

What is the GCF? 5

6. Find the GCF of 30 and 18.

List the factors of 30. 1, 2, 3, 5, 6, 10, 15, 30

List the common factors. 1, 2, 3, 6

List the factors of 18. 1, 2, 3, 6, 9, 18

What is the GCF? 6