

Name \_\_\_\_\_

# Greatest Common Factor

Find the Greatest Common Factor by using the prime factors of the numbers.

1.  $24 = 2 \times 2 \times 2 \times 3$   
 $30 = 2 \times 3 \times 5$   
GCF =  $2 \times 3 = 6$

2.  $35 = 5, 7$   
 $45 = 3, 3, 5$   
GCF =  $5$

3.  $20 = 2, 4, 5, 10$   
 $30 = 2, 5, 10$   
GCF =  $10$

4.  $16 = 2, 4, 8$   
 $40 = 2, 4, 8$   
GCF =  $8$

5.  $25 = 5$   
 $55 = 5$   
GCF =  $5$

6.  $36 = 2, 3, 6, 9, 18$   
 $54 = 2, 3, 6, 9, 18$   
GCF =  $18$

7.  $20 = 2$   
 $38 = 2$   
GCF =  $2$

8.  $35 = 5$   
 $25 = 5$   
GCF =  $5$

9.  $50 = 5$   
 $55 = 5$   
GCF =  $5$

10.  $84 = 2, 3, 6$   
 $90 = 2, 3, 6$   
GCF =  $6$

11.  $30 = 2, 3, 6$   
 $66 = 2, 3, 6$   
GCF =  $6$

12.  $24 = 2, 3, 6$   
 $42 = 2, 3, 6$   
GCF =  $6$