

Name: \_\_\_\_\_



## Finding the Greatest Common Factor (GCF)

**Directions:** Find the GCF of each pair of numbers below.

1.) 4 \_\_\_\_\_ GCF  
12 \_\_\_\_\_

7.) 16 \_\_\_\_\_ GCF  
4 \_\_\_\_\_

2.) 8 \_\_\_\_\_ GCF  
16 \_\_\_\_\_

8.) 30 \_\_\_\_\_ GCF  
6 \_\_\_\_\_

3.) 4 \_\_\_\_\_ GCF  
12 \_\_\_\_\_

9.) 11 \_\_\_\_\_ GCF  
33 \_\_\_\_\_

4.) 21 \_\_\_\_\_ GCF  
28 \_\_\_\_\_

10.) 25 \_\_\_\_\_ GCF  
45 \_\_\_\_\_

5.) 33 \_\_\_\_\_ GCF  
15 \_\_\_\_\_

11.) 18 \_\_\_\_\_ GCF  
42 \_\_\_\_\_

6.) 20 \_\_\_\_\_ GCF  
30 \_\_\_\_\_

12.) 7 \_\_\_\_\_ GCF  
49 \_\_\_\_\_

## ANSWER KEY

- |     |    |                                  |           |      |    |                                  |           |
|-----|----|----------------------------------|-----------|------|----|----------------------------------|-----------|
| 1.) | 4  | <u>1, 2, 4</u>                   | GCF       | 7.)  | 16 | <u>1, 2, 4, 8, 16</u>            | GCF       |
|     | 12 | <u>1, 2, 3, 4, 6, 12</u>         | <u>4</u>  |      | 4  | <u>1, 2, 4</u>                   | <u>4</u>  |
| 2.) | 8  | <u>1, 2, 4, 8</u>                | GCF       | 8.)  | 30 | <u>1, 2, 3, 5, 6, 10, 15, 30</u> | GCF       |
|     | 16 | <u>1, 2, 4, 8, 16</u>            | <u>16</u> |      | 6  | <u>1, 2, 3, 6</u>                | <u>6</u>  |
| 3.) | 4  | <u>1, 2, 4</u>                   | GCF       | 9.)  | 11 | <u>1, 11</u>                     | GCF       |
|     | 12 | <u>1, 2, 3, 4, 6, 12</u>         | <u>4</u>  |      | 33 | <u>1, 3, 11, 33</u>              | <u>11</u> |
| 4.) | 21 | <u>1, 3, 7, 21</u>               | GCF       | 10.) | 25 | <u>1, 5, 25</u>                  | GCF       |
|     | 28 | <u>1, 3, 4, 7, 14, 28</u>        | <u>7</u>  |      | 45 | <u>1, 3, 5, 9, 15, 45</u>        | <u>5</u>  |
| 5.) | 33 | <u>1, 3, 11, 33</u>              | GCF       | 11.) | 18 | <u>1, 2, 3, 6, 9, 18</u>         | GCF       |
|     | 15 | <u>1, 3, 5, 15</u>               | <u>3</u>  |      | 42 | <u>1, 2, 3, 6, 7, 14, 21, 42</u> | <u>6</u>  |
| 6.) | 20 | <u>1, 2, 4, 5, 10, 20</u>        | GCF       | 12.) | 7  | <u>1, 7</u>                      | GCF       |
|     | 30 | <u>1, 2, 3, 5, 6, 10, 15, 30</u> | <u>10</u> |      | 49 | <u>1, 7, 49</u>                  | <u>7</u>  |