

# Greatest common factor of 2 numbers (2-50)

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## Grade 6 Factoring Worksheet

Find the greatest common factor.

1. 15 \_\_\_\_\_  
5 \_\_\_\_\_

2. 44 \_\_\_\_\_  
22 \_\_\_\_\_

3. 35 \_\_\_\_\_  
20 \_\_\_\_\_

4. 12 \_\_\_\_\_  
27 \_\_\_\_\_

5. 12 \_\_\_\_\_  
44 \_\_\_\_\_

6. 7 \_\_\_\_\_  
35 \_\_\_\_\_

7. 39 \_\_\_\_\_  
9 \_\_\_\_\_

8. 38 \_\_\_\_\_  
14 \_\_\_\_\_

9. 22 \_\_\_\_\_  
11 \_\_\_\_\_

10. 48 \_\_\_\_\_  
32 \_\_\_\_\_

11. 35 \_\_\_\_\_  
21 \_\_\_\_\_

12. 28 \_\_\_\_\_  
14 \_\_\_\_\_

13. 30 \_\_\_\_\_  
35 \_\_\_\_\_

14. 7 \_\_\_\_\_  
14 \_\_\_\_\_

15. 14 \_\_\_\_\_  
42 \_\_\_\_\_

16. 40 \_\_\_\_\_  
18 \_\_\_\_\_

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Find the greatest common factor.

- |     |    |                          |           |     |    |                                 |           |
|-----|----|--------------------------|-----------|-----|----|---------------------------------|-----------|
| 1.  | 15 | <u>1, 3, 5</u>           | <u>5</u>  | 2.  | 44 | <u>1, 2, 4, 11, 22</u>          | <u>22</u> |
|     | 5  | <u>1, 5</u>              |           |     | 22 | <u>1, 2, 11, 22</u>             |           |
| 3.  | 35 | <u>1, 5</u>              | <u>5</u>  | 4.  | 12 | <u>1, 2, 3</u>                  | <u>3</u>  |
|     | 20 | <u>1, 2, 4, 5</u>        |           |     | 27 | <u>1, 3</u>                     |           |
| 5.  | 12 | <u>1, 2, 3, 4</u>        | <u>4</u>  | 6.  | 7  | <u>1, 7</u>                     | <u>7</u>  |
|     | 44 | <u>1, 2, 4</u>           |           |     | 35 | <u>1, 5, 7</u>                  |           |
| 7.  | 39 | <u>1, 3</u>              | <u>3</u>  | 8.  | 38 | <u>1, 2</u>                     | <u>2</u>  |
|     | 9  | <u>1, 3</u>              |           |     | 14 | <u>1, 2</u>                     |           |
| 9.  | 22 | <u>1, 2, 11</u>          | <u>11</u> | 10. | 48 | <u>1, 2, 3, 4, 6, 8, 12, 16</u> | <u>16</u> |
|     | 11 | <u>1, 11</u>             |           |     | 32 | <u>1, 2, 4, 8, 16</u>           |           |
| 11. | 35 | <u>1, 5, 7</u>           | <u>7</u>  | 12. | 28 | <u>1, 2, 4, 7, 14</u>           | <u>14</u> |
|     | 21 | <u>1, 3, 7</u>           |           |     | 14 | <u>1, 2, 7, 14</u>              |           |
| 13. | 30 | <u>1, 2, 3, 5</u>        | <u>5</u>  | 14. | 7  | <u>1, 7</u>                     | <u>7</u>  |
|     | 35 | <u>1, 5</u>              |           |     | 14 | <u>1, 2, 7</u>                  |           |
| 15. | 14 | <u>1, 2, 7, 14</u>       | <u>14</u> | 16. | 40 | <u>1, 2</u>                     | <u>2</u>  |
|     | 42 | <u>1, 2, 3, 6, 7, 14</u> |           |     | 18 | <u>1, 2</u>                     |           |