



## Greatest common factor of 2 numbers (2-100)

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### Grade 6 Factoring Worksheet

Find the greatest common factor.

1. 78 \_\_\_\_\_  
66 \_\_\_\_\_

2. 45 \_\_\_\_\_  
36 \_\_\_\_\_

3. 32 \_\_\_\_\_  
68 \_\_\_\_\_

4. 60 \_\_\_\_\_  
70 \_\_\_\_\_

5. 70 \_\_\_\_\_  
49 \_\_\_\_\_

6. 77 \_\_\_\_\_  
55 \_\_\_\_\_

7. 33 \_\_\_\_\_  
88 \_\_\_\_\_

8. 44 \_\_\_\_\_  
74 \_\_\_\_\_

9. 42 \_\_\_\_\_  
24 \_\_\_\_\_

10. 28 \_\_\_\_\_  
50 \_\_\_\_\_

11. 50 \_\_\_\_\_  
10 \_\_\_\_\_

12. 70 \_\_\_\_\_  
10 \_\_\_\_\_

13. 96 \_\_\_\_\_  
72 \_\_\_\_\_  
\_\_\_\_\_

14. 48 \_\_\_\_\_  
81 \_\_\_\_\_

15. 12 \_\_\_\_\_  
42 \_\_\_\_\_

16. 14 \_\_\_\_\_  
70 \_\_\_\_\_

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Find the greatest common factor.

- |     |    |  |           |     |    |                             |           |
|-----|----|--|-----------|-----|----|-----------------------------|-----------|
| 1.  | 78 | <u>1, 2, 3, 6</u>                                | <u>6</u>  | 2.  | 45 | <u>1, 3, 5, 9</u>           | <u>9</u>  |
|     | 66 | <u>1, 2, 3, 6</u>                                |           |     | 36 | <u>1, 2, 3, 4, 6, 9</u>     |           |
| 3.  | 32 | <u>1, 2, 4</u>                                   | <u>4</u>  | 4.  | 60 | <u>1, 2, 3, 4, 5, 6, 10</u> | <u>10</u> |
|     | 68 | <u>1, 2, 4</u>                                   |           |     | 70 | <u>1, 2, 5, 7, 10</u>       |           |
| 5.  | 70 | <u>1, 2, 5, 7</u>                                | <u>7</u>  | 6.  | 77 | <u>1, 7, 11</u>             | <u>11</u> |
|     | 49 | <u>1, 7</u>                                      |           |     | 55 | <u>1, 5, 11</u>             |           |
| 7.  | 33 | <u>1, 3, 11</u>                                  | <u>11</u> | 8.  | 44 | <u>1, 2</u>                 | <u>2</u>  |
|     | 88 | <u>1, 2, 4, 8, 11</u>                            |           |     | 74 | <u>1, 2</u>                 |           |
| 9.  | 42 | <u>1, 2, 3, 6</u>                                | <u>6</u>  | 10. | 28 | <u>1, 2</u>                 | <u>2</u>  |
|     | 24 | <u>1, 2, 3, 4, 6</u>                             |           |     | 50 | <u>1, 2</u>                 |           |
| 11. | 50 | <u>1, 2, 5, 10</u>                               | <u>10</u> | 12. | 70 | <u>1, 2, 5, 7, 10</u>       | <u>10</u> |
|     | 10 | <u>1, 2, 5, 10</u>                               |           |     | 10 | <u>1, 2, 5, 10</u>          |           |
| 13. | 96 | <u>1, 2, 3, 4, 6, 8, 12,</u><br><u>16, 24</u>    | <u>24</u> | 14. | 48 | <u>1, 2, 3</u>              | <u>3</u>  |
|     | 72 | <u>1, 2, 3, 4, 6, 8, 9, 12,</u><br><u>18, 24</u> |           |     | 81 | <u>1, 3</u>                 |           |
| 15. | 12 | <u>1, 2, 3, 4, 6</u>                             | <u>6</u>  | 16. | 14 | <u>1, 2, 7, 14</u>          | <u>14</u> |
|     | 42 | <u>1, 2, 3, 6</u>                                |           |     | 70 | <u>1, 2, 5, 7, 10, 14</u>   |           |