

## Least common multiple of 2 numbers (2-50)

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### Grade 6 Factoring Worksheet

Find the least common multiple (LCM).

1)  $\begin{array}{l} 8 \\ 30 \end{array}$  \_\_\_\_\_  
\_\_\_\_\_

2)  $\begin{array}{l} 42 \\ 6 \end{array}$  \_\_\_\_\_  
\_\_\_\_\_

3)  $\begin{array}{l} 40 \\ 16 \end{array}$  \_\_\_\_\_  
\_\_\_\_\_

4)  $\begin{array}{l} 38 \\ 4 \end{array}$  \_\_\_\_\_  
\_\_\_\_\_

5)  $\begin{array}{l} 21 \\ 7 \end{array}$  \_\_\_\_\_  
\_\_\_\_\_

6)  $\begin{array}{l} 8 \\ 20 \end{array}$  \_\_\_\_\_  
\_\_\_\_\_

7)  $\begin{array}{l} 12 \\ 42 \end{array}$  \_\_\_\_\_  
\_\_\_\_\_

8)  $\begin{array}{l} 14 \\ 4 \end{array}$  \_\_\_\_\_  
\_\_\_\_\_

9)  $\begin{array}{l} 8 \\ 32 \end{array}$  \_\_\_\_\_  
\_\_\_\_\_

10)  $\begin{array}{l} 18 \\ 48 \end{array}$  \_\_\_\_\_  
\_\_\_\_\_

11)  $\begin{array}{l} 20 \\ 30 \end{array}$  \_\_\_\_\_  
\_\_\_\_\_

12)  $\begin{array}{l} 6 \\ 45 \end{array}$  \_\_\_\_\_  
\_\_\_\_\_

13)  $\begin{array}{l} 27 \\ 6 \end{array}$  \_\_\_\_\_  
\_\_\_\_\_

14)  $\begin{array}{l} 34 \\ 4 \end{array}$  \_\_\_\_\_  
\_\_\_\_\_

15)  $\begin{array}{l} 25 \\ 4 \end{array}$  \_\_\_\_\_  
\_\_\_\_\_

16)  $\begin{array}{l} 32 \\ 48 \end{array}$  \_\_\_\_\_  
\_\_\_\_\_

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Find the least common multiple (LCM).

- |     |    |  |            |     |    |  |            |
|-----|----|--|------------|-----|----|--|------------|
| 1)  | 8  | <u>8, 16, 24, 32, 40, 48...120</u>       | <u>120</u> | 2)  | 42 | <u>42</u>                                | <u>42</u>  |
|     | 30 | <u>30, 60, 90, 120</u>                   |            |     | 6  | <u>6, 12, 18, 24, 30, 36, 42</u>         |            |
| 3)  | 40 | <u>40, 80</u>                            | <u>80</u>  | 4)  | 38 | <u>38, 76</u>                            | <u>76</u>  |
|     | 16 | <u>16, 32, 48, 64, 80</u>                |            |     | 4  | <u>4, 8, 12, 16, 20, 24, 28...76</u>     |            |
| 5)  | 21 | <u>21</u>                                | <u>21</u>  | 6)  | 8  | <u>8, 16, 24, 32, 40</u>                 | <u>40</u>  |
|     | 7  | <u>7, 14, 21</u>                         |            |     | 20 | <u>20, 40</u>                            |            |
| 7)  | 12 | <u>12, 24, 36, 48, 60, 72, 84</u>        | <u>84</u>  | 8)  | 14 | <u>14, 28</u>                            | <u>28</u>  |
|     | 42 | <u>42, 84</u>                            |            |     | 4  | <u>4, 8, 12, 16, 20, 24, 28</u>          |            |
| 9)  | 8  | <u>8, 16, 24, 32</u>                     | <u>32</u>  | 10) | 18 | <u>18, 36, 54, 72, 90, 108, 126, 144</u> | <u>144</u> |
|     | 32 | <u>32</u>                                |            |     | 48 | <u>48, 96, 144</u>                       |            |
| 11) | 20 | <u>20, 40, 60</u>                        | <u>60</u>  | 12) | 6  | <u>6, 12, 18, 24, 30, 36...90</u>        | <u>90</u>  |
|     | 30 | <u>30, 60</u>                            |            |     | 45 | <u>45, 90</u>                            |            |
| 13) | 27 | <u>27, 54</u>                            | <u>54</u>  | 14) | 34 | <u>34, 68</u>                            | <u>68</u>  |
|     | 6  | <u>6, 12, 18, 24, 30, 36, 42, 48, 54</u> |            |     | 4  | <u>4, 8, 12, 16, 20, 24, 28, 32...68</u> |            |
| 15) | 25 | <u>25, 50, 75, 100</u>                   | <u>100</u> | 16) | 32 | <u>32, 64, 96</u>                        | <u>96</u>  |
|     | 4  | <u>4, 8, 12, 16, 20, 24...100</u>        |            |     | 48 | <u>48, 96</u>                            |            |