



**Find the least common multiple of both numbers.**

To find the least common multiple one strategy is to list the multiples of the numbers.

|   |          |           |           |           |           |           |           |           |           |           |           |           |
|---|----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| 4 | <u>4</u> | <u>8</u>  | <u>12</u> | <u>16</u> | <u>20</u> | <u>24</u> | <u>28</u> | <u>32</u> | <u>36</u> | <u>40</u> | <u>44</u> | <u>48</u> |
| 6 | <u>6</u> | <u>12</u> | <u>18</u> | <u>24</u> | <u>30</u> | <u>36</u> | <u>42</u> | <u>48</u> | <u>54</u> | <u>60</u> | <u>66</u> | <u>72</u> |

Some of the multiples 4 and 6 have in common are: 12, 24, 36 & 48.

The common multiple that is least is 12.

**Answers**

1. \_\_\_\_\_
2. \_\_\_\_\_
3. \_\_\_\_\_
4. \_\_\_\_\_
5. \_\_\_\_\_
6. \_\_\_\_\_
7. \_\_\_\_\_
8. \_\_\_\_\_
9. \_\_\_\_\_
10. \_\_\_\_\_

1) 6 \_\_\_\_\_  
 7 \_\_\_\_\_

2) 10 \_\_\_\_\_  
 12 \_\_\_\_\_

3) 8 \_\_\_\_\_  
 2 \_\_\_\_\_

4) 2 \_\_\_\_\_  
 3 \_\_\_\_\_

5) 7 \_\_\_\_\_  
 4 \_\_\_\_\_

6) 5 \_\_\_\_\_  
 10 \_\_\_\_\_

7) 4 \_\_\_\_\_  
 5 \_\_\_\_\_

8) 9 \_\_\_\_\_  
 8 \_\_\_\_\_

9) 3 \_\_\_\_\_  
 11 \_\_\_\_\_

10) 5 \_\_\_\_\_  
 2 \_\_\_\_\_



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|   |          |           |           |           |           |           |           |           |           |           |           |           |
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| 4 | <u>4</u> | <u>8</u>  | <u>12</u> | <u>16</u> | <u>20</u> | <u>24</u> | <u>28</u> | <u>32</u> | <u>36</u> | <u>40</u> | <u>44</u> | <u>48</u> |
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Some of the multiples 4 and 6 have in common are: 12, 24, 36 & 48.

The common multiple that is least is 12.

1)

|   |          |           |           |           |           |           |           |
|---|----------|-----------|-----------|-----------|-----------|-----------|-----------|
| 6 | <u>6</u> | <u>12</u> | <u>18</u> | <u>24</u> | <u>30</u> | <u>36</u> | <u>42</u> |
| 7 | <u>7</u> | <u>14</u> | <u>21</u> | <u>28</u> | <u>35</u> | <u>42</u> | <u>49</u> |

2)

|    |           |           |           |           |           |           |           |           |            |            |            |            |
|----|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|------------|------------|------------|------------|
| 10 | <u>10</u> | <u>20</u> | <u>30</u> | <u>40</u> | <u>50</u> | <u>60</u> | <u>70</u> | <u>80</u> | <u>90</u>  | <u>100</u> | <u>110</u> | <u>120</u> |
| 12 | <u>12</u> | <u>24</u> | <u>36</u> | <u>48</u> | <u>60</u> | <u>72</u> | <u>84</u> | <u>96</u> | <u>108</u> | <u>120</u> | <u>132</u> | <u>144</u> |

3)

|   |          |           |           |           |           |           |           |           |
|---|----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| 8 | <u>8</u> | <u>16</u> | <u>24</u> | <u>32</u> | <u>40</u> | <u>48</u> | <u>56</u> | <u>64</u> |
| 2 | <u>2</u> | <u>4</u>  | <u>6</u>  | <u>8</u>  | <u>10</u> | <u>12</u> | <u>14</u> | <u>16</u> |

4)

|   |          |          |          |
|---|----------|----------|----------|
| 2 | <u>2</u> | <u>4</u> | <u>6</u> |
| 3 | <u>3</u> | <u>6</u> | <u>9</u> |

5)

|   |          |           |           |           |           |           |           |
|---|----------|-----------|-----------|-----------|-----------|-----------|-----------|
| 7 | <u>7</u> | <u>14</u> | <u>21</u> | <u>28</u> | <u>35</u> | <u>42</u> | <u>49</u> |
| 4 | <u>4</u> | <u>8</u>  | <u>12</u> | <u>16</u> | <u>20</u> | <u>24</u> | <u>28</u> |

6)

|    |           |           |           |           |           |           |           |           |           |            |
|----|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|------------|
| 5  | <u>5</u>  | <u>10</u> | <u>15</u> | <u>20</u> | <u>25</u> | <u>30</u> | <u>35</u> | <u>40</u> | <u>45</u> | <u>50</u>  |
| 10 | <u>10</u> | <u>20</u> | <u>30</u> | <u>40</u> | <u>50</u> | <u>60</u> | <u>70</u> | <u>80</u> | <u>90</u> | <u>100</u> |

7)

|   |          |           |           |           |           |
|---|----------|-----------|-----------|-----------|-----------|
| 4 | <u>4</u> | <u>8</u>  | <u>12</u> | <u>16</u> | <u>20</u> |
| 5 | <u>5</u> | <u>10</u> | <u>15</u> | <u>20</u> | <u>25</u> |

8)

|   |          |           |           |           |           |           |           |           |           |
|---|----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| 9 | <u>9</u> | <u>18</u> | <u>27</u> | <u>36</u> | <u>45</u> | <u>54</u> | <u>63</u> | <u>72</u> | <u>81</u> |
| 8 | <u>8</u> | <u>16</u> | <u>24</u> | <u>32</u> | <u>40</u> | <u>48</u> | <u>56</u> | <u>64</u> | <u>72</u> |

9)

|    |           |           |           |           |           |           |           |           |           |            |            |
|----|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|------------|------------|
| 3  | <u>3</u>  | <u>6</u>  | <u>9</u>  | <u>12</u> | <u>15</u> | <u>18</u> | <u>21</u> | <u>24</u> | <u>27</u> | <u>30</u>  | <u>33</u>  |
| 11 | <u>11</u> | <u>22</u> | <u>33</u> | <u>44</u> | <u>55</u> | <u>66</u> | <u>77</u> | <u>88</u> | <u>99</u> | <u>110</u> | <u>121</u> |

10)

|   |          |           |           |           |           |
|---|----------|-----------|-----------|-----------|-----------|
| 5 | <u>5</u> | <u>10</u> | <u>15</u> | <u>20</u> | <u>25</u> |
| 2 | <u>2</u> | <u>4</u>  | <u>6</u>  | <u>8</u>  | <u>10</u> |

## Answers

1. 42

2. 60

3. 8

4. 6

5. 28

6. 10

7. 20

8. 72

9. 33

10. 10