



**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) 9 \_\_\_\_\_  
 3 \_\_\_\_\_

2) 12 \_\_\_\_\_  
 11 \_\_\_\_\_

3) 7 \_\_\_\_\_  
 3 \_\_\_\_\_

4) 2 \_\_\_\_\_  
 12 \_\_\_\_\_

5) 4 \_\_\_\_\_  
 2 \_\_\_\_\_

6) 9 \_\_\_\_\_  
 4 \_\_\_\_\_

7) 3 \_\_\_\_\_  
 6 \_\_\_\_\_

8) 11 \_\_\_\_\_  
 3 \_\_\_\_\_

9) 4 \_\_\_\_\_  
 3 \_\_\_\_\_

10) 2 \_\_\_\_\_  
 8 \_\_\_\_\_



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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>
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.

1) 

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>
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>

2) 

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>
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>	<u>132</u>

3) 

7	<u>7</u>	<u>14</u>	<u>21</u>	<u>28</u>	<u>35</u>	<u>42</u>	<u>49</u>
3	<u>3</u>	<u>6</u>	<u>9</u>	<u>12</u>	<u>15</u>	<u>18</u>	<u>21</u>

4) 

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>	<u>18</u>	<u>20</u>	<u>22</u>	<u>24</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>

5) 

4	<u>4</u>	<u>8</u>	<u>12</u>	<u>16</u>
2	<u>2</u>	<u>4</u>	<u>6</u>	<u>8</u>

6) 

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>
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>

7) 

3	<u>3</u>	<u>6</u>	<u>9</u>	<u>12</u>	<u>15</u>	<u>18</u>
6	<u>6</u>	<u>12</u>	<u>18</u>	<u>24</u>	<u>30</u>	<u>36</u>

8) 

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>
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>

9) 

4	<u>4</u>	<u>8</u>	<u>12</u>	<u>16</u>
3	<u>3</u>	<u>6</u>	<u>9</u>	<u>12</u>

10) 

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>
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>

## Answers

1. 9

2. 132

3. 21

4. 12

5. 4

6. 36

7. 6

8. 33

9. 12

10. 8