



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

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) 6 _____
 2 _____

6) 5 _____
 10 _____

7) 4 _____
 5 _____

8) 9 _____
 7 _____

9) 3 _____
 11 _____

10) 5 _____
 2 _____



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

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)

| | | | | | | |
|---|----------|-----------|-----------|-----------|-----------|-----------|
| 6 | <u>6</u> | <u>12</u> | <u>18</u> | <u>24</u> | <u>30</u> | <u>36</u> |
| 2 | <u>2</u> | <u>4</u> | <u>6</u> | <u>8</u> | <u>10</u> | <u>12</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> |
| 7 | <u>7</u> | <u>14</u> | <u>21</u> | <u>28</u> | <u>35</u> | <u>42</u> | <u>49</u> | <u>56</u> | <u>63</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. 6
6. 10
7. 20
8. 63
9. 33
10. 10