List out all the possible factors for each number.

1) 24
2) 35
3) 9
4) 42
5) 50
6) 19
7) 12
8) 28
9) 7
10) 16
11) 18
12) 45
List out all possible factors for each number.

<p>| | |</p>
<table>
<thead>
<tr>
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<tr>
<td></td>
<td></td>
</tr>
<tr>
<td>10</td>
<td>96</td>
</tr>
</tbody>
</table>
Complete the product strategy to find the factors of each number.

1) 36

\[
\begin{align*}
\Box \times 36 &= 36 \\
2 \times \Box &= 36 \\
\Box \times 12 &= 36 \\
4 \times \Box &= 36 \\
\Box \times 6 &= 36
\end{align*}
\]

The factors of 36 are

2) 12

\[
\begin{align*}
1 \times \Box &= 12 \\
\Box \times 6 &= 12 \\
3 \times \Box &= 12
\end{align*}
\]

The factors of 12 are

3) 28

\[
\begin{align*}
1 \times \Box &= 28 \\
2 \times \Box &= 28 \\
\Box \times 7 &= 28
\end{align*}
\]

The factors of 28 are

4) 45

\[
\begin{align*}
\Box \times 45 &= 45 \\
\Box \times 15 &= 45 \\
5 \times \Box &= 45
\end{align*}
\]

The factors of 45 are

5) Write your own product strategy to find the factors of 50.

\[
\begin{align*}
\Box \times 50 &= 50 \\
\Box \times 25 &= 50 \\
10 \times \Box &= 50 \\
\Box \times 5 &= 50 \\
\Box \times 1 &= 50
\end{align*}
\]

The factors of 50 are
Complete the product strategy to find the factors of each number.

1) 60

\[
\begin{array}{ccc}
160 &=& 60 \\
260 &=& 60 \\
360 &=& 60 \\
560 &=& 60 \\
660 &=& 60 \\
\end{array}
\]

The factors of 60 are ______________

2) 78

\[
\begin{array}{ccc}
178 &=& 78 \\
378 &=& 78 \\
678 &=& 78 \\
1378 &=& 78 \\
3978 &=& 78 \\
\end{array}
\]

The factors of 78 are ______________

3) 56

\[
\begin{array}{ccc}
156 &=& 56 \\
256 &=& 56 \\
456 &=& 56 \\
756 &=& 56 \\
856 &=& 56 \\
\end{array}
\]

The factors of 56 are ______________

4) 92

\[
\begin{array}{ccc}
192 &=& 92 \\
292 &=& 92 \\
492 &=& 92 \\
992 &=& 92 \\
1392 &=& 92 \\
\end{array}
\]

The factors of 92 are ______________

5) Write your own product strategy to find the factors of 84.

The factors of 84 are ______________
Complete the prime factor tree for each number.

1) \[
\begin{array}{c}
16 \\
2 \\
2 \\
2
\end{array}
\]

2) \[
\begin{array}{c}
42 \\
14 \\
2 \\
2
\end{array}
\]

3) \[
\begin{array}{c}
40 \\
2 \\
2 \\
5
\end{array}
\]

4) \[
\begin{array}{c}
24 \\
4 \\
2 \\
2
\end{array}
\]

5) \[
\begin{array}{c}
18 \\
2 \\
3
\end{array}
\]

6) \[
\begin{array}{c}
30 \\
10 \\
2
\end{array}
\]
Pages 6 to 15 are available only for members.

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Scroll down for additional free pages.
### A) Circle all the Prime numbers.

<table>
<thead>
<tr>
<th>13</th>
<th>54</th>
<th>37</th>
<th>96</th>
<th>89</th>
<th>45</th>
<th>61</th>
</tr>
</thead>
<tbody>
<tr>
<td>29</td>
<td>2</td>
<td>10</td>
<td>69</td>
<td>36</td>
<td>53</td>
<td>47</td>
</tr>
<tr>
<td>41</td>
<td>79</td>
<td>72</td>
<td>5</td>
<td>97</td>
<td>27</td>
<td>84</td>
</tr>
</tbody>
</table>

### B) Circle all the Composite numbers.

<table>
<thead>
<tr>
<th>73</th>
<th>92</th>
<th>79</th>
<th>7</th>
<th>21</th>
<th>80</th>
<th>17</th>
</tr>
</thead>
<tbody>
<tr>
<td>8</td>
<td>97</td>
<td>15</td>
<td>83</td>
<td>19</td>
<td>62</td>
<td>51</td>
</tr>
<tr>
<td>11</td>
<td>4</td>
<td>23</td>
<td>32</td>
<td>67</td>
<td>3</td>
<td>49</td>
</tr>
</tbody>
</table>

### C) Multiple choice questions.

1) Choose the greatest prime number.
   - a) 74  
   - b) 23  
   - c) 69  
   - d) 31

2) Choose the smallest composite number.
   - a) 12  
   - b) 59  
   - c) 8   
   - d) 43
List out the factors of each number and write if the number is prime or composite.

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>1)</td>
<td>47</td>
</tr>
<tr>
<td>Factors are</td>
<td></td>
</tr>
<tr>
<td>Is 47 a prime or composite?</td>
<td></td>
</tr>
<tr>
<td>2)</td>
<td>6</td>
</tr>
<tr>
<td>Factors are</td>
<td></td>
</tr>
<tr>
<td>Is 6 a prime or composite?</td>
<td></td>
</tr>
<tr>
<td>3)</td>
<td>30</td>
</tr>
<tr>
<td>Factors are</td>
<td></td>
</tr>
<tr>
<td>Is 30 a prime or composite?</td>
<td></td>
</tr>
<tr>
<td>4)</td>
<td>23</td>
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<tr>
<td>Factors are</td>
<td></td>
</tr>
<tr>
<td>Is 23 a prime or composite?</td>
<td></td>
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<td>5)</td>
<td>5</td>
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<tr>
<td>Factors are</td>
<td></td>
</tr>
<tr>
<td>Is 5 a prime or composite?</td>
<td></td>
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<tr>
<td>6)</td>
<td>18</td>
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<tr>
<td>Factors are</td>
<td></td>
</tr>
<tr>
<td>Is 18 a prime or composite?</td>
<td></td>
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<tr>
<td>7)</td>
<td>27</td>
</tr>
<tr>
<td>Factors are</td>
<td></td>
</tr>
<tr>
<td>Is 27 a prime or composite?</td>
<td></td>
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<tr>
<td>8)</td>
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<tr>
<td>Factors are</td>
<td></td>
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<tr>
<td>Is 41 a prime or composite?</td>
<td></td>
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<tr>
<td>9)</td>
<td>19</td>
</tr>
<tr>
<td>Factors are</td>
<td></td>
</tr>
<tr>
<td>Is 19 a prime or composite?</td>
<td></td>
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<tr>
<td>10)</td>
<td>34</td>
</tr>
<tr>
<td>Factors are</td>
<td></td>
</tr>
<tr>
<td>Is 34 a prime or composite?</td>
<td></td>
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</table>
Help the Penguine to find the nestlings by coloring all the prime numbers.

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<table>
<thead>
<tr>
<th>19</th>
<th>47</th>
<th>34</th>
<th>93</th>
<th>62</th>
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<td>94</td>
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```

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Help David to find the basketball court by coloring all the composite numbers.

### Composite Number Maze

<table>
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<tr>
<th></th>
<th>53</th>
<th>97</th>
<th>13</th>
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<td>73</td>
<td>43</td>
<td>61</td>
<td>29</td>
</tr>
</tbody>
</table>

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1) Which of the following is not a prime number?
   a) 13  b) 97  c) 27  d) 61

2) Which of the following is an odd composite number?
   a) 71  b) 55  c) 83  d) 37

3) Which of the following number has only two factors?
   a) 7  b) 10  c) 42  d) 15

4) Which of the following is an even prime number?
   a) 12  b) 3  c) 6  d) 2

5) Which of the following is a composite number?
   a) 17  b) 15  c) 19  d) 11

6) Which of the following number has more than two factors?
   a) 59  b) 23  c) 67  d) 49

7) Which of the following is not a composite number?
   a) 83  b) 81  c) 85  d) 87

8) Which of the following is a prime number?
   a) 39  b) 66  c) 47  d) 51