Use the patterns to answer the questions.

1) **Pattern A**

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<tbody>
<tr>
<td>6</td>
<td>8</td>
<td>10</td>
<td>12</td>
<td>14</td>
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</table>

The patterns above are synchronized. If the number in pattern A is 66, what will be the number in pattern B?

2) **Pattern A**

<p>| | | | | |</p>
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<tbody>
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<td>4</td>
<td>5</td>
<td>6</td>
<td>7</td>
<td>8</td>
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</table>

The patterns above are synchronized. If the number in pattern A is 25, what will be the number in pattern B?

3) In a pattern the first number is a 5. The second number is a 10. The third is a 15. Fourth is a 20. If the pattern continues will the 12th number end in a 5 or a 0?

4) In a pattern the first number is a 5. The second number is a 10. The third is a 15. Fourth is a 20. If the pattern continues what will be the 21st number in the pattern?

5) A pattern starts with 3. The second number is a 9. The third is a 15. Fourth is a 21 and fifth is 27. If you double the 19th number in the pattern, will the result be even or odd?

6) A pattern starts with 2. The second number is a 4. The third is a 6. Fourth is a 8 and fifth is 10. If the pattern continues will the 18th number in the pattern be even or odd?

7) A pattern starts with 6. The second number is a 12. The third is a 18. Fourth is a 24 and fifth is 30. If the pattern continues will the 21st number in the pattern be even or odd?

8) A pattern starts with 4. The second number is a 8. The third is a 12. Fourth is a 16 and fifth is 20. If the pattern continues will the 20th number in the pattern be even or odd?

9) A pattern starts with 8. The second number is a 16. The third is a 24. Fourth is a 32 and fifth is 40. If the pattern continues will the 19th number in the pattern be even or odd?

10) A pattern starts with 2. The second number is a 4. The third is a 6. Fourth is a 8 and fifth is 10. If the pattern continues will the 18th number in the pattern be even or odd?
Use the patterns to answer the questions.

1) Pattern A  
   | 6 | 8 | 10 | 12 | 14 |
   Pattern B | 2 | 4 | 6  | 8  | 10 |

The patterns above are synchronized. If the number in pattern A is 66, what will be the number in pattern B?

2) Pattern A  
   | 4 | 5 | 6 | 7 | 8 |
   Pattern B | 32 | 40 | 48 | 56 | 64 |

The patterns above are synchronized. If the number in pattern A is 25, what will be the number in pattern B?

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