Use the patterns to answer the questions.

1)

A	7	9	11	13	15
B	5	7	9	11	13

The patterns above are synchronized. If the number in pattern A is 147, what will be the number in pattern B?

1. _____

2. _____

3. _____

2)

A	5	6	7	8	9
B	35	42	49	56	63

The patterns above are synchronized. If the number in pattern A is 15, what will be the number in pattern B?

4. _____

5. _____

6. _____

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 21st 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 22nd number in the pattern?

5) A pattern starts with 7. The second number is a 17. The third is a 27. Fourth is a 37 and fifth is 47. If you double the 12th number in the pattern, will the result be even or odd?

6) 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?

Answer Key

Use the patterns to answer the questions.

1)

A	7	9	11	13	15
B	5	7	9	11	13

The patterns above are synchronized. If the number in pattern A is 147, what will be the number in pattern B?

1. _____ **145**

2)

A	5	6	7	8	9
B	35	42	49	56	63

The patterns above are synchronized. If the number in pattern A is 15, what will be the number in pattern B?

2. _____ **105**

3. _____ **5**

4. _____ **110**

5. _____ **even**

6. _____ **even**

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 21st 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 22nd number in the pattern?

5) A pattern starts with 7. The second number is a 17. The third is a 27. Fourth is a 37 and fifth is 47. If you double the 12th number in the pattern, will the result be even or odd?

6) 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?