Name:

Use the patterns to answer the questions.

1)   A

6	10	14	18	22
2	6	10	14	18

B

The patterns above are synchronized. If the number in pattern A is 102, what will be the number in pattern B?

1. _____

2. _____

3. _____

2)   A

5	6	7	8	9
20	24	28	32	36

B

The patterns above are synchronized. If the number in pattern A is 21, what will be the number in pattern B?
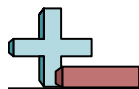
4. _____

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 13th number end in a 5 or a 0?

4) In a pattern the first number is a 8. The second number is a 16. The third is a 24. Fourth is a 32. If the pattern continues what will be the 25th number in the pattern?

5) A pattern starts with 1. The second number is a 7. The third is a 13. Fourth is a 19 and fifth is 25. If you double the 21st number in the pattern, will the result be even or odd?

6) A pattern starts with 7. The second number is a 14. The third is a 21. Fourth is a 28 and fifth is 35. If the pattern continues will the 23rd number in the pattern be even or odd?

1-6 | 83 | 67 | 50 | 33 | 17 | 0 |

Use the patterns to answer the questions.

1)

A	6	10	14	18	22
B	2	6	10	14	18

The patterns above are synchronized. If the number in pattern A is 102, what will be the number in pattern B?

1. ___**98**___

2)

A	5	6	7	8	9
B	20	24	28	32	36

The patterns above are synchronized. If the number in pattern A is 21, what will be the number in pattern B?

2. ___**84**___

3. ___**5**___

4. ___**200**___

5. ___**even**___

6. ___**odd**___

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 13th number end in a 5 or a 0?

4) In a pattern the first number is a 8. The second number is a 16. The third is a 24. Fourth is a 32. If the pattern continues what will be the 25th number in the pattern?

5) A pattern starts with 1. The second number is a 7. The third is a 13. Fourth is a 19 and fifth is 25. If you double the 21st number in the pattern, will the result be even or odd?

6) A pattern starts with 7. The second number is a 14. The third is a 21. Fourth is a 28 and fifth is 35. If the pattern continues will the 23rd number in the pattern be even or odd?