



Use the patterns to answer the questions.

1)      A      

6	10	14	18	22
3	7	11	15	19

          B      

3	7	11	15	19
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The patterns above are synchronized. If the number in pattern A is 126, what will be the number in pattern B?

2)      A      

2	3	4	5	6
12	18	24	30	36

          B      

12	18	24	30	36
----	----	----	----	----

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 21st 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 13th number in the pattern?

5) A pattern starts with 3. The second number is a 13. The third is a 23. Fourth is a 33 and fifth is 43. If you double the 19th 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 12th number in the pattern be even or odd?

**Answers**

1. \_\_\_\_\_

2. \_\_\_\_\_

3. \_\_\_\_\_

4. \_\_\_\_\_

5. \_\_\_\_\_

6. \_\_\_\_\_



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Answers1. 1232. 1503. 54. 1045. even6. even