



Use the patterns to answer the questions.

1)      A      

10	13	16	19	22
7	10	13	16	19

          B      

7	10	13	16	19
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The patterns above are synchronized. If the number in pattern A is 240, what will be the number in pattern B?

2)      A      

3	4	5	6	7
12	16	20	24	28

          B      

12	16	20	24	28
----	----	----	----	----

The patterns above are synchronized. If the number in pattern A is 19, 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 16th number end in a 5 or a 0?

4) In a pattern the first number is a 2. The second number is a 4. The third is a 6. Fourth is a 8. If the pattern continues what will be the 20th number in the pattern?

5) A pattern starts with 1. The second number is a 11. The third is a 21. Fourth is a 31 and fifth is 41. If you double the 16th 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 10th number in the pattern be even or odd?

**Answers**

1. \_\_\_\_\_
2. \_\_\_\_\_
3. \_\_\_\_\_
4. \_\_\_\_\_
5. \_\_\_\_\_
6. \_\_\_\_\_



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Answers

1. 237

2. 76

3. 0

4. 40

5. even

6. even