



Use the patterns to answer the questions.

**Answers**

1)

A	7	12	17	22	27
B	3	8	13	18	23

The patterns above are synchronized. If the number in pattern A is 175, what will be the number in pattern B?

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

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

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

2)

A	3	4	5	6	7
B	12	16	20	24	28

The patterns above are synchronized. If the number in pattern A is 16, 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 14th 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 11th 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 18th 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 21st number in the pattern be even or odd?



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**Answers**1. **171**2. **64**3. **0**4. **22**5. **even**6. **even**