



Use the patterns to answer the questions.

**Answers**

1)

<b>Input (A)</b>	9	12	15	18	21
<b>Output (B)</b>	7	10	13	16	19

The patterns above are synchronized. If the number in pattern A is 108, what will be the number in pattern B?

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

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

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

2)

<b>Input (A)</b>	4	5	6	7	8
<b>Output (B)</b>	40	50	60	70	80

The patterns above are synchronized. If the number in pattern A is 17, 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 18th number end in a 5 or a 0?

4) In a pattern the first number is a 6. The second number is a 12. The third is a 18. Fourth is a 24. If the pattern continues what will be the 12th number in the pattern?

5) A pattern starts with 5. The second number is a 13. The third is a 21. Fourth is a 29 and fifth is 37. If you double the 21st number in the pattern, will the result be even or odd?

6) A pattern starts with 9. The second number is a 18. The third is a 27. Fourth is a 36 and fifth is 45. If the pattern continues will the 21st number in the pattern be even or odd?



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**Answers**1. **106**2. **170**3. **0**4. **72**5. **even**6. **odd**