



Use the patterns to answer the questions.

Answers

1)

Input (A)	8	11	14	17	20
Output (B)	4	7	10	13	16

The patterns above are synchronized. If the number in pattern A is 176, what will be the number in pattern B?

2)

Input (A)	2	3	4	5	6
Output (B)	20	30	40	50	60

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 14th number end in a 5 or a 0?

- 4) In a pattern the first number is a 3. The second number is a 6. The third is a 9. Fourth is a 12. If the pattern continues what will be the 18th number in the pattern?

- 5) A pattern starts with 1. The second number is a 9. The third is a 17. Fourth is a 25 and fifth is 33. If you double the 10th number in the pattern, will the result be even or odd?

- 6) A pattern starts with 6. The second number is a 12. The third is a 18. Fourth is a 24 and fifth is 30. If the pattern continues will the 12th number in the pattern be even or odd?

1. _____

2. _____

3. _____

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Answers1. **172**2. **190**3. **0**4. **54**5. **even**6. **even**