



Use the patterns to answer the questions.

Answers

1)

Input (A)	10	15	20	25	30
Output (B)	8	13	18	23	28

The patterns above are synchronized. If the number in pattern A is 100, what will be the number in pattern B?

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

2)

Input (A)	2	3	4	5	6
Output (B)	16	24	32	40	48

The patterns above are synchronized. If the number in pattern A is 24, 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 6. The second number is a 12. The third is a 18. Fourth is a 24. If the pattern continues what will be the 10th number in the pattern?

5) A pattern starts with 3. The second number is a 9. The third is a 15. Fourth is a 21 and fifth is 27. 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 23rd number in the pattern be even or odd?



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The patterns above are synchronized. If the number in pattern A is 100, what will be the number in pattern B?

2)

Input (A)	2	3	4	5	6
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The patterns above are synchronized. If the number in pattern A is 24, 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 6. The second number is a 12. The third is a 18. Fourth is a 24. If the pattern continues what will be the 10th number in the pattern?
- 5) A pattern starts with 3. The second number is a 9. The third is a 15. Fourth is a 21 and fifth is 27. 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 23rd number in the pattern be even or odd?

Answers

1. **98**
2. **192**
3. **0**
4. **60**
5. **even**
6. **even**