



Use the patterns to answer the questions.

1)      A      

7	10	13	16	19
3	6	9	12	15

          B      

7	10	13	16	19
3	6	9	12	15

The patterns above are synchronized. If the number in pattern A is 168, what will be the number in pattern B?

2)      A      

2	3	4	5	6
6	9	12	15	18

          B      

2	3	4	5	6
6	9	12	15	18

The patterns above are synchronized. If the number in pattern A is 25, 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 10th number end in a 5 or a 0?

4) In a pattern the first number is a 8. The second number is a 16. The third is a 24. Fourth is a 32. If the pattern continues what will be the 12th number in the pattern?

5) A pattern starts with 7. The second number is a 13. The third is a 19. Fourth is a 25 and fifth is 31. If you double the 17th number in the pattern, will the result be even or odd?

6) A pattern starts with 2. The second number is a 4. The third is a 6. Fourth is a 8 and fifth is 10. If the pattern continues will the 14th number in the pattern be even or odd?

**Answers**

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

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

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

4. \_\_\_\_\_

5. \_\_\_\_\_

6. \_\_\_\_\_



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Answers

1. 164

2. 75

3. 0

4. 96

5. even

6. even