



Use the patterns to answer the questions.

1)      A      

10	13	16	19	22
8	11	14	17	20

          B      

10	13	16	19	22
8	11	14	17	20

The patterns above are synchronized. If the number in pattern A is 140, what will be the number in pattern B?

2)      A      

3	4	5	6	7
18	24	30	36	42

          B      

3	4	5	6	7
18	24	30	36	42

The patterns above are synchronized. If the number in pattern A is 16, 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 12th number end in a 5 or a 0?

4) In a pattern the first number is a 9. The second number is a 18. The third is a 27. Fourth is a 36. If the pattern continues what will be the 25th number in the pattern?

5) A pattern starts with 1. The second number is a 11. The third is a 21. Fourth is a 31 and fifth is 41. If you double the 14th 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 19th number in the pattern be even or odd?

**Answers**

- 1. \_\_\_\_\_
- 2. \_\_\_\_\_
- 3. \_\_\_\_\_
- 4. \_\_\_\_\_
- 5. \_\_\_\_\_
- 6. \_\_\_\_\_



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Answers

1. 138

2. 96

3. 0

4. 225

5. even

6. even