



Use the patterns to answer the questions.

1)

|   |    |    |    |    |    |
|---|----|----|----|----|----|
| A | 10 | 13 | 16 | 19 | 22 |
| B | 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  |
| B | 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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Answers1. 1382. 963. 04. 2255. even6. even