



Use the patterns to answer the questions.

1)      A      

|   |    |    |    |    |
|---|----|----|----|----|
| 7 | 10 | 13 | 16 | 19 |
| 4 | 7  | 10 | 13 | 16 |

          B      

|   |    |    |    |    |
|---|----|----|----|----|
| 7 | 10 | 13 | 16 | 19 |
| 4 | 7  | 10 | 13 | 16 |

The patterns above are synchronized. If the number in pattern A is 112, 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 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 15th number end in a 5 or a 0?

4) 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 what will be the 15th number in the pattern?

5) A pattern starts with 5. The second number is a 13. The third is a 21. Fourth is a 29 and fifth is 37. If you double the 24th number in the pattern, will the result be even or odd?

6) A pattern starts with 4. The second number is a 8. The third is a 12. Fourth is a 16 and fifth is 20. If the pattern continues will the 20th number in the pattern be even or odd?

**Answers**

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

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

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

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

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

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



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1)

|   |   |    |    |    |    |
|---|---|----|----|----|----|
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| B | 4 | 7  | 10 | 13 | 16 |

The patterns above are synchronized. If the number in pattern A is 112, 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 19, what will be the number in pattern B?

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Answers1. 1092. 1143. 54. 755. even6. even