



Use the patterns to answer the questions.

Answers

1)

| | | | | | |
|---|---|----|----|----|----|
| A | 9 | 12 | 15 | 18 | 21 |
| B | 6 | 9 | 12 | 15 | 18 |

The patterns above are synchronized. If the number in pattern A is 99, what will be the number in pattern B?

1. _____

2. _____

3. _____

2)

| | | | | | |
|---|----|----|----|----|----|
| A | 4 | 5 | 6 | 7 | 8 |
| B | 24 | 30 | 36 | 42 | 48 |

The patterns above are synchronized. If the number in pattern A is 18, what will be the number in pattern B?

4. _____

5. _____

6. _____

- 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 21st number end in a 5 or a 0?

- 4) In a pattern the first number is a 3. The second number is a 6. The third is a 9. Fourth is a 12. If the pattern continues what will be the 14th number in the pattern?

- 5) A pattern starts with 9. The second number is a 17. The third is a 25. Fourth is a 33 and fifth is 41. If you double the 19th 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 11th number in the pattern be even or odd?



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Answers1. **96**2. **108**3. **5**4. **42**5. **even**6. **even**