



Use the patterns to answer the questions.

Answers

1)	Pattern A	9	12	15	18	21
	Pattern B	6	9	12	15	18

The patterns above are synchronized. If the number in pattern A is 117, what will be the number in pattern B?

2)	Pattern A	4	5	6	7	8
	Pattern B	40	50	60	70	80

The patterns above are synchronized. If the number in pattern A is 23, 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 4. The second number is a 8. The third is a 12. Fourth is a 16. If the pattern continues what will be the 14th number in the pattern?
- 5) A pattern starts with 1. The second number is a 3. The third is a 5. Fourth is a 7 and fifth is 9. If you double the 20th number in the pattern, will the result be even or odd?
- 6) A pattern starts with 8. The second number is a 16. The third is a 24. Fourth is a 32 and fifth is 40. If the pattern continues will the 10th number in the pattern be even or odd?
- 7) 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 23rd number in the pattern be even or odd?
- 8) A pattern starts with 5. The second number is a 10. The third is a 15. Fourth is a 20 and fifth is 25. If the pattern continues will the 11th number in the pattern be even or odd?
- 9) A pattern starts with 3. The second number is a 6. The third is a 9. Fourth is a 12 and fifth is 15. If the pattern continues will the 24th number in the pattern be even or odd?
- 10) A pattern starts with 7. The second number is a 14. The third is a 21. Fourth is a 28 and fifth is 35. If the pattern continues will the 19th number in the pattern be even or odd?

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____
9. _____
10. _____



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Answers

1. **114**
2. **230**
3. **5**
4. **56**
5. **even**
6. **even**
7. **even**
8. **odd**
9. **even**
10. **odd**