



Use the patterns to answer the questions.

Answers

1)	Pattern A	5	7	9	11	13
	Pattern B	2	4	6	8	10

The patterns above are synchronized. If the number in pattern A is 80, what will be the number in pattern B?

2)	Pattern A	3	4	5	6	7
	Pattern B	30	40	50	60	70

The patterns above are synchronized. If the number in pattern A is 15, 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 23rd 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 12th number in the pattern?
- 5) A pattern starts with 5. The second number is a 9. The third is a 13. Fourth is a 17 and fifth is 21. If you double the 12th 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 23rd number in the pattern be even or odd?
- 7) 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 25th number in the pattern be even or odd?
- 8) 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 18th number in the pattern be even or odd?
- 9) 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 13th number in the pattern be even or odd?
- 10) 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 15th number in the pattern be even or odd?

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
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Answers

1. **77**
2. **150**
3. **5**
4. **48**
5. **even**
6. **even**
7. **even**
8. **even**
9. **odd**
10. **odd**