



Use the patterns to answer the questions.

Answers

1)	Pattern A	8	12	16	20	24
	Pattern B	5	9	13	17	21

The patterns above are synchronized. If the number in pattern A is 168, what will be the number in pattern B?

2)	Pattern A	3	4	5	6	7
	Pattern B	24	32	40	48	56

The patterns above are synchronized. If the number in pattern A is 22, 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 16th 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 16th number in the pattern?
- 5) A pattern starts with 9. The second number is a 19. The third is a 29. Fourth is a 39 and fifth is 49. If you double the 13th 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 14th number in the pattern be even or odd?
- 7) 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?
- 8) A pattern starts with 9. The second number is a 18. The third is a 27. Fourth is a 36 and fifth is 45. If the pattern continues will the 19th number in the pattern be even or odd?
- 9) 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 22nd number in the pattern be even or odd?
- 10) A pattern starts with 9. The second number is a 18. The third is a 27. Fourth is a 36 and fifth is 45. If the pattern continues will the 13th number in the pattern be even or odd?

1. _____
2. _____
3. _____
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Answers

1. **165**
2. **176**
3. **0**
4. **64**
5. **even**
6. **even**
7. **even**
8. **odd**
9. **even**
10. **odd**