



Use the patterns to answer the questions.

**Answers**

1) Pattern A

8	12	16	20	24
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Pattern B

4	8	12	16	20
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The patterns above are synchronized. If the number in pattern A is 184, what will be the number in pattern B?

2) Pattern A

3	4	5	6	7
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Pattern B

6	8	10	12	14
---	---	----	----	----

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 21st number end in a 5 or a 0?

4) In a pattern the first number is a 9. The second number is a 18. The third is a 27. Fourth is a 36. If the pattern continues what will be the 13th number in the pattern?

5) A pattern starts with 5. The second number is a 7. The third is a 9. Fourth is a 11 and fifth is 13. If you double the 13th number in the pattern, will the result be even or odd?

6) 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 11th 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 21st number in the pattern be even or odd?

8) 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 20th number in the pattern be even or odd?

9) 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?

10) 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 21st number in the pattern be even or odd?

1. \_\_\_\_\_
2. \_\_\_\_\_
3. \_\_\_\_\_
4. \_\_\_\_\_
5. \_\_\_\_\_
6. \_\_\_\_\_
7. \_\_\_\_\_
8. \_\_\_\_\_
9. \_\_\_\_\_
10. \_\_\_\_\_



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Answers

1. 180

2. 44

3. 5

4. 117

5. even

6. odd

7. even

8. even

9. even

10. even