



Use the patterns to answer the questions.

| | | | | | |
|--------------|---|----|----|----|----|
| 1) Pattern A | 6 | 10 | 14 | 18 | 22 |
| Pattern B | 2 | 6 | 10 | 14 | 18 |

The patterns above are synchronized. If the number in pattern A is 66, what will be the number in pattern B?

| | | | | | |
|--------------|----|----|----|----|----|
| 2) Pattern A | 2 | 3 | 4 | 5 | 6 |
| Pattern B | 18 | 27 | 36 | 45 | 54 |

The patterns above are synchronized. If the number in pattern A is 17, 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 20th number end in a 5 or a 0?

4) In a pattern the first number is a 2. The second number is a 4. The third is a 6. Fourth is a 8. If the pattern continues what will be the 13th number in the pattern?

5) A pattern starts with 7. The second number is a 11. The third is a 15. Fourth is a 19 and fifth is 23. If you double the 17th number in the pattern, will the result be even or odd?

6) 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 17th number in the pattern be even or odd?

7) 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 25th number in the pattern be even or odd?

8) 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 21st 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 13th number in the pattern be even or odd?

10) 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 23rd number in the pattern be even or odd?

Answers

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

8. _____

9. _____

10. _____



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| Pattern B | 2 | 6 | 10 | 14 | 18 |

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|--------------|----|----|----|----|----|
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| Pattern B | 18 | 27 | 36 | 45 | 54 |

The patterns above are synchronized. If the number in pattern A is 17, 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 20th number end in a 5 or a 0?

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Answers

1. 62

2. 153

3. 0

4. 26

5. even

6. odd

7. odd

8. odd

9. even

10. even