



Use the patterns to answer the questions.

Answers

1) A

| | | | | |
|---|----|----|----|----|
| 7 | 10 | 13 | 16 | 19 |
| 3 | 6 | 9 | 12 | 15 |

 B

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

1. _____

2. _____

3. _____

2) A

| | | | | |
|---|---|----|----|----|
| 2 | 3 | 4 | 5 | 6 |
| 6 | 9 | 12 | 15 | 18 |

 B

The patterns above are synchronized. If the number in pattern A is 25, what will be the number in pattern B?

4. _____

5. _____

6. _____

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 10th number end in a 5 or a 0?

4) In a pattern the first number is a 8. The second number is a 16. The third is a 24. Fourth is a 32. If the pattern continues what will be the 12th number in the pattern?

5) A pattern starts with 7. The second number is a 13. The third is a 19. Fourth is a 25 and fifth is 31. If you double the 17th number in the pattern, will the result be even or odd?

6) 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 14th number in the pattern be even or odd?



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| | | | | |
|---|----|----|----|----|
| 7 | 10 | 13 | 16 | 19 |
| 3 | 6 | 9 | 12 | 15 |

 B

| | | | | |
|---|----|----|----|----|
| 7 | 10 | 13 | 16 | 19 |
| 3 | 6 | 9 | 12 | 15 |

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

2) A

| | | | | |
|---|---|----|----|----|
| 2 | 3 | 4 | 5 | 6 |
| 6 | 9 | 12 | 15 | 18 |

 B

| | | | | |
|---|---|----|----|----|
| 2 | 3 | 4 | 5 | 6 |
| 6 | 9 | 12 | 15 | 18 |

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6) 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 14th number in the pattern be even or odd?

Answers

1. 164

2. 75

3. 0

4. 96

5. even

6. even