

Pattern Puzzles – Pack 39

Puzzle 1. What comes next in the sequence?

7	4	10	14	9	12	21	14	?
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A) 19	B) 15	C) 28	D) 14
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Puzzle 2. What comes next in the sequence?

6	4	2	14	12	7	22	20	?
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A) 12	B) 30	C) 13	D) 28
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Puzzle 3. What comes next in the sequence?

16	48	42	126	120	360	354	1062	?
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A) 1056	B) 3186	C) 1062	D) 3187
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Puzzle 4. What comes next in the sequence?

11	33	21	63	51	153	141	423	?
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A) 411	B) 423	C) 1270	D) 1269
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Puzzle 5. What comes next in the sequence?

2	9	8	8	16	12	14	23	?
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A) 30	B) 17	C) 20	D) 16
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Puzzle 6. What comes next in the sequence?

8	24	20	60	56	168	164	492	?
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| A) 1476 | B) 1477 | C) 492 | D) 488 |
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Puzzle 7. What comes next in the sequence?

5	2	3	9	4	9	13	6	?
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| A) 17 | B) 15 | C) 8 | D) 16 |
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Puzzle 8. What comes next in the sequence?

10	29	66	127	218	345	514	?
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| A) 737 | B) 683 | C) 725 | D) 731 |
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Puzzle 9. What comes next in the sequence?

3	11	12	9	13	20	15	15	?
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| A) 21 | B) 17 | C) 29 | D) 28 |
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Puzzle 10. What comes next in the sequence?

4	6	5	9	8	9	14	10	?
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| A) 12 | B) 14 | C) 19 | D) 13 |
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Answer Key

1. **D) 14**
Three interleaved arithmetic series (period 3).
2. **A) 12**
Three interleaved arithmetic series (period 3).
3. **B) 3186**
Alternating: $\times 3$ (odd steps), -6 (even steps).
4. **D) 1269**
Alternating: $\times 3$ (odd steps), -12 (even steps).
5. **D) 16**
Three interleaved arithmetic series (period 3).
6. **A) 1476**
Alternating: $\times 3$ (odd steps), -4 (even steps).
7. **B) 15**
Three interleaved arithmetic series (period 3).
8. **D) 731**
1st diffs: 19, 37, 61, 91, 127, 169.
9. **D) 28**
Three interleaved arithmetic series (period 3).
10. **D) 13**
Three interleaved arithmetic series (period 3).