

Pattern Puzzles – Pack 1

Puzzle 1. What comes next in the sequence?

4	8	8	14	12	20	?
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A) 16	B) 17	C) 26	D) 18
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Puzzle 2. What comes next in the sequence?

4	8	14	24	42	76	?
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A) 78	B) 140	C) 142	D) 143
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Puzzle 3. What comes next in the sequence?

8	16	26	40	62	100	?
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A) 171	B) 164	C) 170	D) 106
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Puzzle 4. What comes next in the sequence?

64	125	216	343	512	?
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A) 729	B) 810	C) 648	D) 1000
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Puzzle 5. What comes next in the sequence?

6	26	86	266	806	2426	?
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A) 2434	B) 7287	C) 7278	D) 7286
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Puzzle 6. What comes next in the sequence?

10	20	32	48	72	112	?
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A) 176	B) 184	C) 185	D) 120
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Puzzle 7. What comes next in the sequence?

22	25	35	38	48	51	61	?
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A) 74	B) 71	C) 64	D) 63
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Puzzle 8. What comes next in the sequence?

8	17	24	33	40	49	56	?
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A) 64	B) 72	C) 63	D) 65
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Puzzle 9. What comes next in the sequence?

5	17	41	89	185	377	?
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A) 762	B) 761	C) 384	D) 754
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Puzzle 10. What comes next in the sequence?

13	5	17	14	21	23	?
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A) 30	B) 25	C) 26	D) 32
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Answer Key

1. **A) 16**

Two interleaved series – odd: +4, even: +6.

6. **B) 184**

Formula: $2^n + 8n$. $n=7$: $128 + 56 = 184$.

2. **C) 142**

Formula: $2^n + 2n$. $n=7$: $128 + 14 = 142$.

7. **C) 64**

Sequence: 22, 25, 35, 38, 48, 51, 61, ...

3. **C) 170**

Formula: $2^n + 6n$. $n=7$: $128 + 42 = 170$.

8. **D) 65**

Sequence: 8, 17, 24, 33, 40, 49, 56, ...

4. **A) 729**

Sequence: 64, 125, 216, 343, 512, ... Cube roots:
4, 5, ...

9. **B) 761**

Sequence: 5, 17, 41, 89, 185, 377, ...

5. **D) 7286**

Sequence: 6, 26, 86, 266, 806, 2426, ...

10. **B) 25**

Two interleaved series – odd: +4, even: +9.