

# Patterns P2

1 ) 18, 23, 20, 25, 22, 27, 24, 29, 26, 31  
Add 5 then Subtract 3

2 ) 7, 13, 11, 17, 15, 21, 19, 25, 23, 29  
Add 6 then Subtract 2

3 ) 25, 29, 26, 30, 27, 31, 28, 32, 29, 33  
Add 4 then Subtract 3

4 ) 10, 14, 8, 12, 6, 10, 4, 8, 2, 6  
Add 4 then Subtract 6

5 ) 2, 9, 5, 12, 8, 15, 11, 18, 14, 21  
Add 7 then Subtract 4

6 ) 6, 10, 8, 12, 10, 14, 12, 16, 14, 18  
Add 4 then Subtract 2

7 ) 10, 11, 5, 6, 0, 1, -5, -4, -10, -9  
Add 1 then Subtract 6

8 ) 13, 14, 10, 11, 7, 8, 4, 5, 1, 2  
Add 1 then Subtract 4

9 ) 11, 14, 7, 10, 3, 6, -1, 2, -5, -2  
Add 3 then Subtract 7

10) 13, 18, 17, 22, 21, 26, 25, 30, 29, 34  
Add 5 then Subtract 1

# Patterns P3

- 1 ) 22, 27, 26, 31, 30, 35, 34, 39, 38, 43  
Add 5 then Subtract 1
- 2 ) 12, 18, 16, 22, 20, 26, 24, 30, 28, 34  
Add 6 then Subtract 2
- 3 ) 3, 6, 11, 22, 27, 54, 59, 118, 123, 246  
Multiply 2 then Add 5
- 4 ) 12, 19, 14, 21, 16, 23, 18, 25, 20, 27  
Add 7 then Subtract 5
- 5 ) 3, 4, -3, -2, -9, -8, -15, -14, -21, -20  
Add 1 then Subtract 7
- 6 ) 4, 12, 15, 45, 48, 144, 147, 441, 444, 1332  
Multiply 3 then Add 3
- 7 ) 22, 24, 21, 23, 20, 22, 19, 21, 18, 20  
Add 2 then Subtract 3
- 8 ) 2, 6, 8, 24, 26, 78, 80, 240, 242, 726  
Multiply 3 then Add 2
- 9 ) 1, 3, 6, 18, 21, 63, 66, 198, 201, 603  
Multiply 3 then Add 3
- 0 ) 4, 8, 10, 20, 22, 44, 46, 92, 94, 188  
Multiply 2 then Add 2

# Patterns P4

- 1 ) 10, 15, 11, 16, 12, 17, 13, 18, 14, 19  
Add 5 then Subtract 4
- 2 ) 0, 1, 1, 2, 3, 5, 8, 13, 21, 34  
Add the previous two term to produce the current term.
- 3 ) 14, 18, 12, 16, 10, 14, 8, 12, 6, 10  
Add 4 then Subtract 6
- 4 ) 1, 2, -3, -6, -11, -22, -27, -54, -59, -118  
Multiply 2 then Subtract 5
- 5 ) 5, 15, 22, 66, 73, 219, 226, 678, 685, 2055  
Multiply 3 then Add 7
- 6 ) 5, 15, 22, 66, 73, 219, 226, 678, 685, 2055  
Multiply 3 then Add 7
- 7 ) 3, 6, 1, 2, -3, -6, -11, -22, -27, -54  
Multiply 2 then Subtract 5
- 8 ) 3, 9, 12, 36, 39, 117, 120, 360, 363, 1089  
Multiply 3 then Add 3
- 9 ) 2, 4, 0, 0, -4, -8, -12, -24, -28, -56  
Multiply 2 then Subtract 4
- 0 ) 23, 28, 26, 31, 29, 34, 32, 37, 35, 40  
Add 5 then Subtract 2

# Patterns P5

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- 1 ) 16, 23, 22, 29, 28, 35, 34, 41, 40, 47  
Add 7 then Subtract 1
- 2 ) 22, 29, 24, 31, 26, 33, 28, 35, 30, 37  
Add 7 then Subtract 5
- 3 ) 17, 24, 20, 27, 23, 30, 26, 33, 29, 36  
Add 7 then Subtract 4
- 4 ) 7, 11, 5, 9, 3, 7, 1, 5, -1, 3  
Add 4 then Subtract 6
- 5 ) 24, 25, 23, 24, 22, 23, 21, 22, 20, 21  
Add 1 then Subtract 2
- 6 ) 22, 27, 21, 26, 20, 25, 19, 24, 18, 23  
Add 5 then Subtract 6
- 7 ) 10, 12, 11, 13, 12, 14, 13, 15, 14, 16  
Add 2 then Subtract 1
- 8 ) 22, 25, 23, 26, 24, 27, 25, 28, 26, 29  
Add 3 then Subtract 2
- 9 ) 23, 28, 25, 30, 27, 32, 29, 34, 31, 36  
Add 5 then Subtract 3
- 0 ) 14, 19, 16, 21, 18, 23, 20, 25, 22, 27  
Add 5 then Subtract 3

# Patterns P6

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- 1 ) 4, 8, 15, 30, 37, 74, 81, 162, 169, 338  
Multiply 2 then Add 7
  - 2 ) 9, 14, 13, 18, 17, 22, 21, 26, 25, 30  
Add 5 then Subtract 1
  - 3 ) 6, 12, 10, 16, 14, 20, 18, 24, 22, 28  
Add 6 then Subtract 2
  - 4 ) 12, 14, 13, 15, 14, 16, 15, 17, 16, 18  
Add 2 then Subtract 1
  - 5 ) 5, 15, 19, 57, 61, 183, 187, 561, 565, 1695  
Multiply 3 then Add 4
  - 6 ) 4, 8, 14, 28, 34, 68, 74, 148, 154, 308  
Multiply 2 then Add 6
  - 7 ) 2, 6, 11, 33, 38, 114, 119, 357, 362, 1086  
Multiply 3 then Add 5
  - 8 ) 5, 7, 6, 8, 7, 9, 8, 10, 9, 11  
Add 2 then Subtract 1
  - 9 ) 5, 10, 17, 34, 41, 82, 89, 178, 185, 370  
Multiply 2 then Add 7
  - 0 ) 5, 6, 0, 1, -5, -4, -10, -9, -15, -14  
Add 1 then Subtract 6

# Patterns P7

- 1 ) 2, 4, -1, -2, -7, -14, -19, -38, -43, -86  
Multiply 2 then Subtract 5
- 2 ) 2, 4, 10, 20, 26, 52, 58, 116, 122, 244  
Multiply 2 then Add 6
- 3 ) 1, 2, 1, 2, 1, 2, 1, 2, 1, 2  
Multiply 2 then Subtract 1
- 4 ) 1, 3, 7, 21, 25, 75, 79, 237, 241, 723  
Multiply 3 then Add 4
- 5 ) 0, 1, 1, 2, 3, 5, 8, 13, 21, 34  
Add the previous two term to produce the current term.
- 6 ) 3, 6, 1, 2, -3, -6, -11, -22, -27, -54  
Multiply 2 then Subtract 5
- 7 ) 8, 14, 9, 15, 10, 16, 11, 17, 12, 18  
Add 6 then Subtract 5
- 8 ) 7, 8, 3, 4, -1, 0, -5, -4, -9, -8  
Add 1 then Subtract 5
- 9 ) 4, 12, 15, 45, 48, 144, 147, 441, 444, 1332  
Multiply 3 then Add 3
- 0 ) 1, 8, 2, 9, 3, 10, 4, 11, 5, 12  
Add 7 then Subtract 6