



Name: \_\_\_\_\_

# Number Patterns

Extend the next two numbers and state the pattern rule. For example: 1, 2, 5, 10, 13, 26, 29 ( next two numbers are 58 and 61. Pattern is: multiply by 2, the add 3, multiply by 2 then add 3...

1) 11, 20, 28, 35, 41, 46, 50, \_\_\_\_\_

2) 50, 58, 66, 75, 83, 93, 101, \_\_\_\_\_

3) 40, 43, 41, 44, 42, 45, 43, \_\_\_\_\_

4) 3, 6, 8, 16, 18, 36, 38, \_\_\_\_\_

5) 18, 25, 31, 36, 40, 43, 45, \_\_\_\_\_

6) 14, 19, 26, 35, 46, 59, 74, \_\_\_\_\_

7) 4, 13, 21, 28, 34, 39, 43, \_\_\_\_\_

8) 76, 71, 68, 62, 59, 52, 49, \_\_\_\_\_

9) 1, 2, 3, 6, 7, 14, 15, \_\_\_\_\_

10) 1, 2, 5, 10, 13, 26, 29, \_\_\_\_\_



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1) 11, 20, 28, 35, 41, 46, 50, 53, 55 (+ 9 + 8 + 7 + 6...)

2) 50, 58, 66, 75, 83, 93, 101, 112, 120 (+ 8 + 8 + 9 + 8 + 10 + 8...)

3) 40, 43, 41, 44, 42, 45, 43, 46, 44 (+ 3 - 2 + 3 - 2 + 3 - 2...)

4) 3, 6, 8, 16, 18, 36, 38, 76, 78 (x 2 + 2 x 2 + 2 x 2 + 2...)

5) 18, 25, 31, 36, 40, 43, 45, 46, 46 (+ 7 + 6 + 5 + 4...)

6) 14, 19, 26, 35, 46, 59, 74, 91, 110 (+ 5 + 7 + 9 + 11 + 13...)

7) 4, 13, 21, 28, 34, 39, 43, 46, 48 (+ 9 + 8 + 7 + 6...)

8) 76, 71, 68, 62, 59, 52, 49, 41, 38 (- 5 - 3 - 6 - 3 - 7 - 3...)

9) 1, 2, 3, 6, 7, 14, 15, 30, 31 (x 2 + 1 x 2 + 1 x 2 + 1...)

10) 1, 2, 5, 10, 13, 26, 29, 58, 61 (x 2 + 3 x 2 + 3 x 2 + 3...)