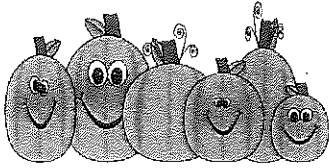# Numerical Patterns

Numerical Pattern: A list of numbers that occur in some predictable way.

To find a pattern:

1. Write the number that you need to add, subtract, multiply or divide to find the next number in the pattern.

2. Continue writing numbers until you discover the pattern.

3. You need 3 series for pattern.

Examples: Find the next 3 numbers in each pattern:

a) 8,   15,   22,   29,   36, …

  +7   +7 +7   +7

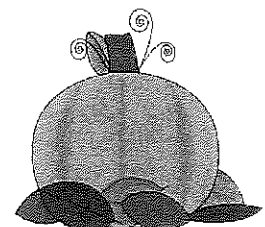b) 50,   49,   47,   44,   40, …

   -1   -2   -3   -4

c) 14,   24,   22,   32,   30,   40,   38, …

  +10 -2   +10 -2 +10 -2

You Try:

d) 10, 12, 15, 19, 24, …

e) 4, 8, 5, 10, 7, 14, 11, …

Name _____   Date _____

Patterns

Determine the pattern for each and find the next three numbers.

5, 8, 11, 14, 17, _____, _____, _____   Rule _____

3, 6, 12, 24, 48, _____, _____, _____   Rule _____

75, 67, 59, 51, _____, _____, _____   Rule _____

2, 7, 14, 19, 38, _____, _____, _____   Rule _____

84, 80, 90, 86, 96 _____, _____, _____   Rule _____

46, 92, 87, 174, 169, _____, _____, _____   Rule _____

8, 9, 11, 14, 18, 23, _____, _____, _____   Rule _____

5, 6, 9, 14, 21, _____, _____, _____   Rule _____

5, 10, 13, 26, 29, _____, _____, _____   Rule _____

8, 18, 16, 26, 24 , _____, _____, _____   Rule _____