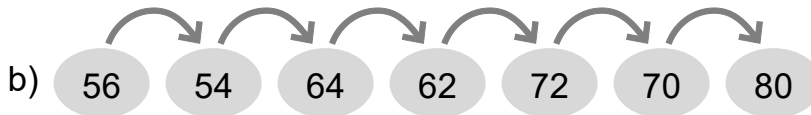
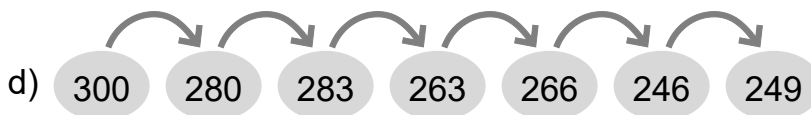
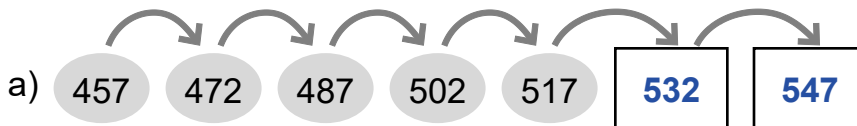
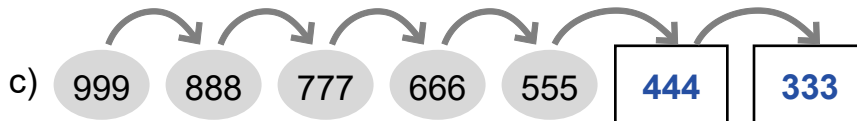
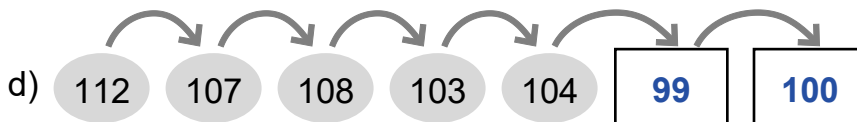


Handout**4 – 5**
Section 25

Reinforcement

Number Patterns**ANSWER
KEY****1. Write** the rule for each pattern.**Pattern Rule****+ 4****- 2, + 10****+ 8, + 2****- 20, + 3****2. Write** the rule for each pattern. **Add 2 numbers** to each series.**Pattern Rule****+ 15****+ 12****- 111****- 5, + 1**

3. Solve the problems.

a) Leo is making cranberry muffins.

- In the 1st muffin, he puts 2 cranberries.
- In the 2nd muffin, he puts 4 cranberries.
- In the 3rd muffin, he puts 8 cranberries.
- In the 4th muffin, he puts 16 cranberries.



If Leo continues to follow this pattern, how many cranberries will he put in the 5th muffin?

Pattern rule:

 $\times 2$

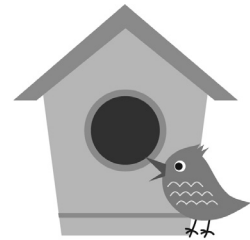
Leo will put

32

cranberries in the 5th muffin.

b) Lindsay and her friends are making birdhouses.

- On the 1st birdhouse, they paint 4 pink flowers and 8 blue flowers.
- On the 2nd birdhouse, they paint 8 pink flowers and 13 blue flowers.
- On the 3rd birdhouse, they paint 12 pink flowers and 18 blue flowers.



If they continue to follow this pattern, how many pink and blue flowers will they paint on the 8th birdhouse?

Birdhouse	1	2	3	4	5	6	7	8
Number of pink flowers	4	8	12	16	20	24	28	32
Number of blue flowers	8	13	18	23	28	33	38	43

The friends will paint

32

pink flowers and

43

blue flowers

on the 8th birdhouse.