

# APRIL '26 Logic Solutions

## 1. Flower Bed Puzzle

Four gardeners, **Maura, Kim, Raeanne & Gail**, have flower beds in a community garden. Each bed grow a different variety of flowers, either **Roses, Tulips, Daffodils, or Lilies** and each bed is located in a different corner of this garden: **North West (NW), North East (NE), South West (SW), South East (SE)**.

Using the following clues, determine which gardener grows which flower and where her flower bed is located in the community garden (see diagram). **SOLUTION:**

### Clues:

- 1) **Maura** does not maintain the **Daffodils** bed.
- 2) The **Tulips** bed is not in either northern corner.
- 3) **Kim's** bed is north east of **Raeanne's** bed.
- 4) The **Lilies** bed is in a southern corner.
- 5) **Gail** maintains the **Roses** bed.
- 6) **Raeanne's** does not maintain the **Tulips** bed.

	NW						NE
	Maura	Roses	Maura	Roses			
	Kim	Daffodils	Kim	Daffodils			
	Raeanne	Tulips	Raeanne	Tulips			
	Gail	Lilies	Gail	Lilies			
	Maura	Roses	Maura	Roses			
	Kim	Daffodils	Kim	Daffodils			
	Raeanne	Tulips	Raeanne	Tulips			
	Gail	Lilies	Gail	Lilies			
	SW						SE

## 2. Combination Lock Puzzle

There is a fence around the above flower garden with a combination lock on the entrance gate. The lock has a three-digit combination code with digits from 0 to 9.

If they forget the combination, there is a reminder using these four clues to determine the correct combination code:

- a) **3 1 9** — One digit is correct **and in the right place**.
- b) **3 9 4** — Two digits are correct **but in the wrong place**.
- c) **5 1 4** — Two digits are correct, **but both are in the wrong place**.
- d) **7 1 0** — No digit is correct.

Can you determine the correct three digit combination code to the flower garden gate?

### Solution:

From Clues **a)** and **b)** – The digit 3 is not in the combination code because it stayed in the same position in both clues.

From Clues **a)** and **d)** – The digits 0, 1 & 7 are not in the combination code but digit 9 is, and its in the 3<sup>rd</sup> digit position in the sequence.

From Clues **c)** and **d)** – The digits 4 & 5 are also in the combination code with digit 9.

The combination code now consists of the digits 4, 5, & 9 and therefore, the code can is either 459 or 549.

From Clues **c)** – digits 4 & 5 are not in the first and third positions respectively.

Therefore, the correct three-digit code for the garden gate is **459**.