```html
# Subject: Geometry - Hexagonal Grids

## Topic: Labeling Hexagonal Grid Cells

### Given and Introduction:

- Task: On the hexagonal grid below, sketch 5 groups of size \( N = 7 \).
- Label the cells \( A \) through \( G \) in the first group, then repeat the labeling in all other groups.
- The labels need to be in the same place within each group.

### Steps:

#### 1. Understanding the Hexagonal Grid Structure:

- A hexagonal grid is composed of hexagons, where each hexagon has six neighbors except those on the edges.
- Groups of size \( N = 7 \) will be taken from adjacent and connected hexagons without any gaps.

#### 2. Identifying the First Group:

- Select the first hexagon and label it \( A \).
- Determine the adjacent hexagons and label them \( B \) through \( G \).
- Ensure that these are all connected, i.e., each labeled hexagon shares a side with at least one other labeled hexagon.

#### 3. Labeling the First Group:

- Let's assume a central starting hexagon labeled \( A \).
- Choose six surrounding hexagons around \( A \) and label them \( B \), \( C \), \( D \), \( E \), \( F \), and \( G \).

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      F   C
    E  A   B
      D   G
```

4. Repeating the Labeling in All Other Groups:

- Follow the same labeling structure for the next four groups.
- Ensure the relative positions of \(A \) through \(G \) are maintained in each group.

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Group 1:          Group 2:        Group 3:        Group 4:        Group 5:
     F   C             F   C           F   C           F   C           F   C
  E  A   B          E  A   B        E  A   B        E  A   B        E  A   B
     D   G             D   G           D   G           D   G           D   G
```

5. Visual Representation and Sketch:

The exact positioning on the hexagonal grid can vary, but the key is to maintain the relative positioning of the labels \(A \) through \(G \) within each group.

Final Solution:

- The hexagonal grid is divided into 5 groups, each containing 7 labeled cells.
- Respecting the requirement, each group has cells labeled from \(A \) through \(G \), and the labels in each group must be in the same relative positions.
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