

## Quiz 2

**Submission Instructions:** Submit your work to UnivAI under "Quiz" within 20 minutes. No code is needed.

**Federated Learning Model Parameters:** Given a FedAvg model with the following parameters:

- Total Number of Clients: 8
- Number of communication rounds: 10
- Active Clients in each communication round: 4
- Number of data samples stored at each client: 2048
- Local mini-batch size per client: 16
- Number of local steps(updates) per client: 5

**Without writing the code, answer the following question:**

1. Assuming there are no duplicate samples across clients and each sample is picked only once for training, how many samples are used after the training process?