ACTIVITY SOLUTION: EVALUATE THE SAMPLING METHOD

GUIDELINES:

YOU ARE GIVEN THREE SITUATIONS

IDENTIFY THE CORRECT SAMPLING METHODS FOR EACH OF THE GIVEN SITUATION

ACTIVITY 01:

A Quality Auditor of a back-office business process has a goal to audit 50 transactions each day. There are 65 reps in 5 teams. He decides to randomly choose 10 samples from each team.

Which sampling method has he chosen to use?

Options:

- **Simple Random Sampling –** Every unit has equal chance of being selected
- **Stratified Random Sampling –** Subsets/groups are created and then units are picked randomly
- **Systematic Sampling –** Every n^{th} unit is selected as a sample from the population

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ACTIVITY 02:

The same Quality Auditor changes his strategy and decides to audit every 15th transaction completed in the process.

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ACTIVITY 03:

There are 150 red balls in one bag. The diameter of each ball should be 15 cm. You have to pick up a few samples, measure them and confirm if the diameter of each ball in the bag is indeed 15 cm. You decide to randomly pick up 25 balls from the bag and measure each ball.

Which sampling method are you using here?

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