In-Class Practice

Name________________________

Grade 7, Unit 10, Lesson 2: Acquire random samples and be aware of biases

Identify the biases (convenience, voluntary) each sampling method is susceptible to and improve the randomness of each method.

1. Surveying your study hall on their favorite elective course.

2. Posting an online parent survey on the school website about their favorite parental involvement activity.

3. Handing out surveys to every other bus rider as they get off the bus.

4. Setting up a table at lunch where students can come participate in an experiment.

5. Posting a survey on a social media app.
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Develop a random sampling strategy that avoids biases for each of the desired statistical questions.

6. How many middle school students eat hot lunch?

7. How many middle school boys are interested in playing basketball?

8. How many of the district’s teachers are in favor of the new curriculum?

9. What image do middle school students prefer for their new mascot?

10. How many parents visit the middle school each year?