Name _____   Date _____

Understanding Random Sampling - Guided Lesson

Solve the following problems:

1) Michael is trying to determine the best location to have his pizza shop. There are 4 different districts in his city (business, garment, government, and harbor). Michael took a week to observe where people tend to gather in the business and harbor districts. Michael then decided to have his shop in the harbor district where he saw the most people gather.

What changes to Michael's technique would have gave him a better understanding of where his store would be most successful?

2) Lewis is trying to determine the bus stop location that the most people get on the bus from. He surveys every third student coming off the bus. He asks them where they get on the bus.

What would have been an improvement in Lewis research?

a. Ask all students what they had for breakfast.

b. Survey all students on the bus.

c. Ask students how long they have been riding the bus.

3) Kevin threw some red pieces of paper into the air, and then collected 2 pieces that landed on the floor.

Is this a random sample of the red pieces of paper?