

Name: _____

Random vs. Biased Samples

When the subjects, objects, or events in a population all have the same chance of being selected, the selection creates a **random sample**.

When some subjects, objects, or events in a population have higher or lower chances of being selected, the selection creates a **biased sample**.

Identify what the sample is by writing random or biased on the line.

1. To determine if its students support increased funding for sports, a university surveys 60 student athletes. _____
2. Anais wants to see how tall her daisies are. She measures the ones along the perimeter of the garden. _____
3. A polling company assigns every voter a number. It then pulls _____



7. Elliot's Electronics emails voluntary surveys to customers to gauge overall customer satisfaction. _____
8. Oakleigh records the weight of the first five oranges that she picks blindly out of a bag. _____

Tell one way to collect random or biased samples of salary data in your area.

Random: _____

Biased: _____

ANSWER KEY

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Identify what the sample is by writing random or biased on the line.

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biased. _____