

Name _____ Date _____

Data Management
Unit 1 Line Master 6a

Spot the Bias

Scenario	Where is the bias?
An amusement park designer would like to know how much people weigh to establish safety protocols for a new ride. They decide to ask people standing in line for the Ferris wheel, “How much do you weigh?”	
The Maple Park High School Sports Association is considering a rule change for Varsity Volleyball. They hand out surveys to teenagers at a mall.	
The Student Council is going to host a Thanksgiving Dinner as a fundraiser for a local charity. To determine what food they should serve, they ask all the science teachers to hand out a survey that asks, “What is your favourite Thanksgiving food?”	
A local butcher asks each customer, “Do you prefer hamburgers or hot dogs?” as they are leaving the store.	
Your phone rings at 8 a.m. on a Saturday. It is a company hired to conduct random surveys to assess how happy people are with service received at their favourite bookstore. They promise it won’t take more than 20 minutes.	
A classmate approaches you with a question for their class project: “At what age did you finally stop sucking your thumb?”	
To receive 10% off your bill at <i>Wing Ding Restaurant</i> , you are asked to answer this survey question: “Don’t you agree that our wings are the best?”	

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Spot the Bias (cont'd)

With your partner, pick **three** of the scenarios.

Suggest an alternate way to collect the desired data that reduces or eliminates the bias.

Be prepared to share your thinking and justify your decisions.

1.

2.

3.