

Name:

Date:

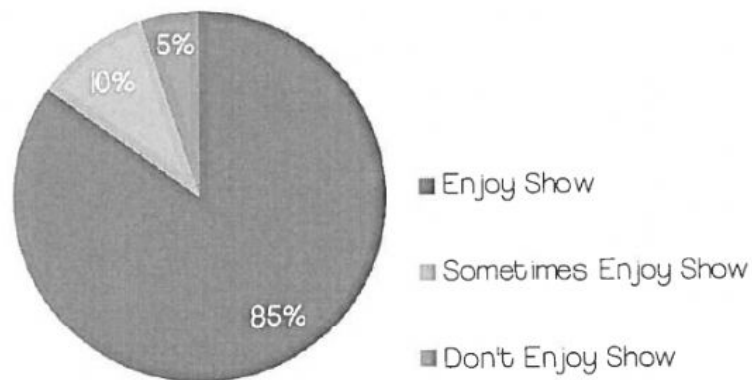
Activity 3.11 A

# What is the Bias?

## Scenario #1:

John is a radio host who has a popular morning show every weekday from 8:00 am to 10:00 am. He is polling his listeners with a survey set up on his website. He wants to know the number of listeners who enjoy his show. The data is below.

### LISTENER FEEDBACK



	Frequency	Relative Frequency	Percentage	Sector
Enjoy the Show	85	0.85	85%	306°
Sometimes Enjoy Show	10	0.10	10%	36°
Do not Enjoy Show	5	0.05	5%	18°
Total	100	1	100%	360°

Is the above survey and results an example of bias? If so, explain why. Identify what could have been done differently to have a more fair representation of the general population.

---



---



---



---



---

Name:

Date:

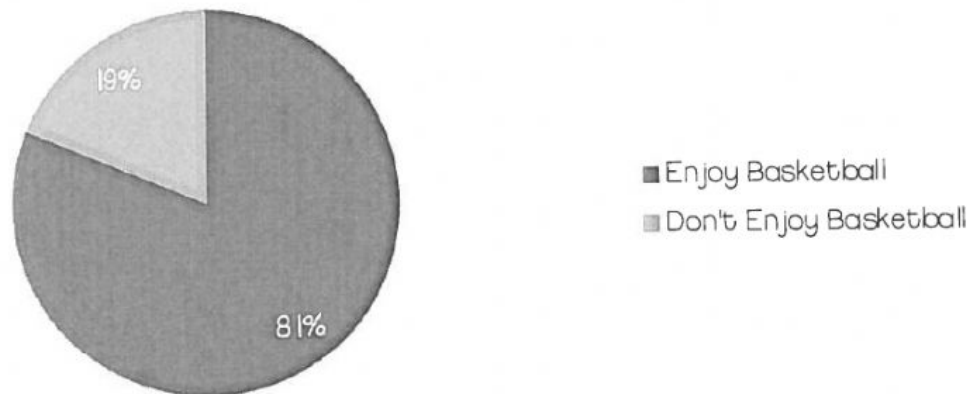
Activity 3.11 B

# What is the Bias?

## Scenario #2:

Michael was wondering how many students in his school enjoyed basketball. He surveyed both the primary and junior basketball teams - 60 students total, and an additional 20 students selected randomly from the school.

### STUDENTS WHO LIKE BASKETBALL



	Frequency	Relative Frequency	Percentage	Sector
Enjoy basketball	65	0.812	81.2%	81%
Do not enjoy basketball	15	0.187	18.7%	19%
Total	80	1	100%	360°

Is the above survey and results an example of bias? If so, explain why. Identify what could have been done differently to have a more fair representation of the general population of the school.

---



---



---



---



---

### Reflection 3.2