

Do-Now

Write down and complete the following problem in the DO-NOW section of your binder.

Round 78.382 to the nearest whole number.

~~ones place 78.000
78.0~~

78.382
↓
0
round down

★ 78

500 > 382
5 > 3

Name

Mrs B

Date

9/12/19

STATISTICAL QUESTIONS

When we conduct a survey we hope to gather information that is accurate and valid. Therefore, we must be careful in the way we choose to ask our survey questions and we should know the types of answers we can expect.

Vocabulary:

A statistical question is a question in which you can expect to get a variety of different answers.

"variety"

This is called variability.

EXAMPLES:

Determine if the following questions are statistical questions.

If it is, identify possible answers.

If it is NOT, explain why and re-write it so it is a statistical question.

1. How many hours a week do you practice a musical instrument?

yes

2. What is your favorite movie?

yes

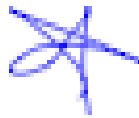
3. How many students have an older brother?

4. How many students are there in Cole Middle School?

No: How many older brothers do you have?

No; How many students do you think are at Cole?

Avoiding Bias:



A biased question leads a person to a particular answer.

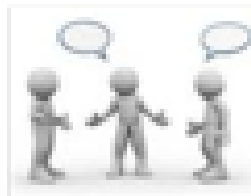
FOR EXAMPLE:

Do you prefer to watch action-packed football or baseball?

Why is this question biased?

It leads a person to answer football because of the adjective.

TALK ABOUT IT:



Olivia collects the following results from a survey.

Survey Results	12 miles	28 miles	15 miles	48 miles
	10 miles	6 miles	2 miles	36 miles

1. Is it likely that she asked a statistical question? Explain.

2. What question might Olivia have asked?