



MATH WITH MR DJ

GRADE 6 · STATISTICS & PROBABILITY

IDENTIFYING STATISTICAL QUESTIONS

Today's goal: I can identify statistical questions.



Tan



Digit



Blaze



Pi



Two questions about height

1 “How tall am I?”

2 “How tall are the students in Grade 6?”

TURN & TALK

what is different about them?



The test: do you **EXPECT** the answers to vary?

- 1 One answer → not statistical.
- 2 Many different answers → statistical.



WATCH OUT!

“How tall am I?” – not statistical

1 One person, one answer. Nothing varies.

DON'T FALL FOR IT

Having a number in the answer is NOT the test.



BIG IDEA 3

“How tall are Grade 6 students?” – statistical

- 1 Many students, many different heights.
- 2 Statistics exists to describe that variability.



BIG IDEA 4

Where variability comes from

- 1 Asking about a **group** — many people, many answers.
- 2 Asking **over time** — one place, many days.

REMEMBER

Small variability is still variability.



Something went wrong here...

THE PROBLEM

Is “How many pets does Mr Lee own?” statistical? Give your reason.

WHAT A STUDENT DID

Said statistical because the number is unknown to you.

YOUR MISSION

What went wrong? What's the right answer?



Is “How many pets does Mr Lee own?” statistical? Give your reason.

1 One person, one answer.

Answer: **Not statistical**



Pick your pepper!



MILD

Is “What is my shoe size?” statistical? Give your reason.

#1 on your practice sheet



MEDIUM

Is “How many pets do the ProComm members own?” statistical? Give your reason.

#3 on your practice sheet



SPICY

Rewrite “How many books did I read this year?” as a statistical question, and say what you changed.

#6 on your practice sheet

How's it going?



3 • Got it!

I could teach it



2 • Almost

One more example, please



1 • Not yet

I need some help

NOW YOU!

Practice sheet: everyone does Mild & Medium, then climb the peppers.

Stuck? Look back at Mr DJ's example at the top of the sheet.

Need it again? Step-by-step videos on YouTube @MathWithMrDJ

Brain break: 3 new daily puzzles at puzzles.mathwithmrdj.com

