



GRADE 6 · STATISTICS & PROBABILITY · PRACTICE

IDENTIFYING STATISTICAL QUESTIONS

Today's goal: I can identify statistical questions.

Pick your peppers!

Everyone does Mild & Medium. Then climb as high as you can.



Mild

Tan the Turtle



Medium

Digit the Fox



Spicy

Blaze the Dragon



Extra Spicy

Pi the Owl

WATCH MR DJ SOLVE

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

1 One person, one answer.

Answer: **Not statistical**



REMEMBER Statistical → you **expect the answers to vary**. Ask yourself: how many different answers would I get? One answer means not statistical. Many different answers means statistical. Variability usually comes from asking about a **group**, or about one thing **over time**.



MILD

Tan the Turtle: Slow and steady. Warm up!

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

Answer

2 Is “What are the shoe sizes of Grade 6 students?” statistical? Give your reason.

Answer



OOPS ALERT

Careful on #1! The slip Mr DJ sees most: Said statistical because shoe size is data.

**MEDIUM****Digit the Fox:** Stretch your brain.

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

Answer

- 4 Is “What was today’s high temperature?” statistical? Give your reason.

Answer

- 5 Is “What were the daily high temperatures in July?” statistical? Give your reason.

Answer

**SPICY****Blaze the Dragon:** Bring the heat!

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

Answer

- 7 A student says “Any question with a number in the answer is statistical.” Give an example that shows this is wrong, and state the real test.

Answer



EXTRA SPICY

Pi the Owl: Big-brain challenge.

- 8 “What are the ages of MTS sixth graders?” — a student says this is not statistical because everyone in Grade 6 is about the same age. Do you agree? Explain.

Answer



How did this sheet feel?

☐

Easy for me

☐

Just right

☐

Made me think

Stuck? Watch Mr DJ explain it

Step-by-step video lessons on YouTube: [youtube.com/@MathWithMrDJ](https://www.youtube.com/@MathWithMrDJ)

Brain break: daily puzzles

Three new math puzzles every day, free: puzzles.mathwithmrdj.com