

Lesson 2-1 • Group 2

Reinforce Understanding

2.1 Small Group • Group 2

I can tell the difference between a statistical question and a non-statistical question, explain how I can tell, and judge a case I have not seen before.

Worked model

Is "How many minutes did you spend on homework last night?" a statistical question?

1. Ask: would different people give different answers to this question?
2. Picture real answers: 22 minutes, 47 minutes, 61 minutes. They are not all the same.
3. Answers that vary can be collected as data, so the question is statistical.

Answer: Yes. It is a statistical question because the answers vary from person to person.

Practice

Complete each exercise. Show the reasoning that supports your answer.

1. Decide if each question is statistical and explain why.

Complete the table. Show how you found each value.

Question	Statistical?	Why?
How many push-ups can each student do in one minute?		
How many sides does a basketball court have?		
How far does each player kick the ball?		

Show your work

2. Match each non-statistical question with its statistical rewrite.

Write the name of the correct group on each line.

Groups: Original: 'How many students are in 6th grade?' Original: 'What time does school start?'

- _____ Rewritten: 'How many hours does each 6th grader study per week?'
- _____ Rewritten: 'What time does each student arrive at school?'

3. A survey asks 30 students how many books they read last month, collecting 30 answers. What makes this a statistical question?

Circle the letter of the best answer. Show how you know.

- A. It is about books
- B. Everyone reads the same number
- C. The answers vary from student to student
- D. It has exactly one correct answer

Show your work
