

Lesson 2-1

Reinforce Understanding

Understand Statistical Questions

I can tell the difference between a statistical question and a non-statistical question.

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. Match each question to its type.

Write the letter of the matching item on each line.

1. _____ How tall is each swimmer on the team?
2. _____ What color is the team mascot?
3. _____ How many laps does each runner complete?
4. _____ How many players are on a soccer team?

- AStatistical
- BNot Statistical
- CStatistical
- DNot Statistical

2. Sort each question by type.

Write the name of the correct group on each line.

Groups: Statistical Question Not a Statistical Question

- _____ How many books did each student read this month?
- _____ What grade did each student earn on the test?
- _____ How many days are in a week?
- _____ What is the school mascot?

3. Which of the following is a statistical question?

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

- A. How many points did each player score this season?
- B. How many points are scored for a free throw?
- C. What sport does this team play?
- D. How many halves are in a soccer game?

Show your work