LESSON MAKER PRO

# Measure It Clearly

*Name the attribute, method, and unit.*

**GRADE 6 · 6.SP.B.5b**

**CCSS.Math.Content.6.SP.B.5b** "Describing the nature of the attribute under investigation, including how it was measured and its units of measurement."

NAME _____ DATE _____

## DESCRIBE THE DATA

State what is being measured, how it is measured, and the unit. An attribute can be counted or measured with a tool.

## WORKED EXAMPLE

A runner's lap time is 73 seconds. Describe the attribute.

1. Attribute: lap time.
2. Measure it with a stopwatch.
3. Use seconds as the unit.

**Answer: Lap time, measured with a stopwatch, in seconds.**

## PRACTICE 5 problems

**1** A class records each student's backpack mass using a scale. Describe the attribute.

**ANSWER** _____

**2** Students measure shoe length with a ruler. Describe the attribute.

**ANSWER** _____

**3** A survey asks how many texts each student sent yesterday. Describe the attribute.

**ANSWER** _____

**4** A student measures water in a bottle with a graduated cylinder. Describe the attribute.

**ANSWER** _____

**5** A weather station uses a thermometer. Describe the attribute.

**ANSWER** _____

## APPLY IT Show your work

**1** A gaming club wants to compare how long members play a game after school. What attribute should they record? Include a method and unit.

WORK SPACE

**ANSWER** _____

**2** A music teacher wants to compare the lengths of students' practice sessions. Describe the data to collect.

WORK SPACE

**ANSWER** _____

## CHALLENGE One step up

A club studies how long students take to finish a puzzle. One student records “fast” or “slow.” Another records stopwatch times in seconds. Which data better fits the study? Explain.

WORK SPACE AND ANSWER

**ANSWER KEY**

# Measure It Clearly

**GRADE 6 · 6.SP.B.5b**

## PART 1 · PRACTICE

| # | PROBLEM | ANSWER |
|---|---|---|
| 1 | A class records each student's backpack mass using a scale. Describe the attribute. | **Backpack mass, measured with a scale, in grams.** |
| 2 | Students measure shoe length with a ruler. Describe the attribute. | **Shoe length, measured with a ruler, in centimeters.** |
| 3 | A survey asks how many texts each student sent yesterday. Describe the attribute. | **Number of texts sent, measured by counting, in texts.** |
| 4 | A student measures water in a bottle with a graduated cylinder. Describe the attribute. | **Volume of water, measured with a graduated cylinder, in milliliters.** |
| 5 | A weather station uses a thermometer. Describe the attribute. | **Air temperature, measured with a thermometer, in degrees Celsius.** |

## PART 2 · APPLY IT

1. **Time spent playing, measured with a clock or timer, in minutes.** The attribute is time spent playing. A clock or timer measures time in minutes.
2. **Practice-session length, measured with a clock or timer, in minutes.** The data should be the amount of time in each practice session. Record it using a clock or timer in minutes.

## CHALLENGE

**Stopwatch times in seconds better fit the study because they measure the attribute, time to finish, with a clear unit. “Fast” and “slow” do not give measured times.**

Accept equivalent accurate units when they fit the tool and attribute, such as kilograms for mass or inches for length. Accept wording such as counting messages for the method in a count.