



length



sort



temperature



taller

shorter

### Math Standards

## Math 2: Measurement and Data

**Math.2a:** This standard requires students to name measurable **attributes** of objects. These include **length**, **weight**, and **temperature**.

**Math.2b:** Students should be able to compare objects with different attributes. For example, a student should be able to identify which of two different objects weighs **more** and which weighs **less**. When comparing two people, they should identify who is **taller** and who is **shorter**.

**Math.2c:** To meet this standard, students must understand temperature as a **measurement** of heat. They should understand that colder and hot areas have lower or higher temperatures, respectively. Students should be able to compare two temperature readings. They must identify which comes from hot and cold locations.

**Math.2d:** Students should be able to collect **data** related to object attributes. This includes using rulers to measure length and scales to measure weight. Thermometers should be used to measure temperature when available.

**Math.2e:** Students must be able to **classify** objects by their attributes. For example, students should be able to **sort** a group of items by color. They should then be able to count the number of objects that fall into each **category**.



weight

## Vocabulary

3 Fill in the blanks with the correct words from the word bank.

### WORD BANK

more less taller shorter  
temperature length sort

## Get ready!

1 Before you read the passage, talk about these questions.

- 1 What are some attributes objects can have?
- 2 What are some measurement devices?

## Reading

2 Read the standards guide. Then, mark the following statements as true (T) or false (F).

- 1  One of the standards requires that students be able to collect data.
- 2  Students should be able to use a ruler to determine how heavy an object is.
- 3  One of the standards requires that students be able to count objects.
- 4  Students should be able to compare objects with different attributes.
- 5  To meet this standard, students must understand temperature as a measurement of heat.
- 6  Students should be able to compare two temperature readings.
- 7  Students should be able to collect data related to object attributes.

- 1 Please \_\_\_\_\_ the objects by color.
- 2 The five-pound cat weighs \_\_\_\_\_ than the twenty-pound dog.
- 3 Students should use a ruler to measure an object's \_\_\_\_\_ in centimeters.
- 4 Please use a thermometer to determine the \_\_\_\_\_ of the water.
- 5 The heavy bowling ball weighs \_\_\_\_\_ than that light feather.
- 6 Students can use a ruler to determine which pencil is longer and which is \_\_\_\_\_.
- 7 Since Mr. Smith is six feet tall and Lacey is three feet tall, Mr. Smith is \_\_\_\_\_.