

# Number Story Question Stems - Compare

In P.E class, Kate jumped 14 inches. Mary jumped 23 inches. How much farther did Mary jump than Kate?

23 =

INCHES (MARY)	?
14 INCHES	?
14 INCHES (KATE)	

**Teacher Note:** The question stems below can be used in any lesson that involves word problems describing the process of comparing two unique sets.

**What is the math main idea?**

The story describes 2 lengths being compared to each other.

**What is the thing or unit we are counting or comparing?**

We are comparing the inches Mary jumped to the inches Kate jumped.

**What is the story setting?**

The story takes place in P.E.

**Is there an action in the number story?**

Yes. The action is jumping.

**What Structure of Equality is helpful when a number story, like this one, describes comparing two unique sets?**

When a number story describes comparing two unique sets, we can use a Compare SoE.

**Who jumped the farthest? How do you know?**

Mary jumped farther than Kate because the story says that Mary jumped 23 inches and Kate jumped 14 inches.

**What 2 things do we need to include when we draw the two comparison bars?**

Both Comparison Bars need to have Values and Labels (unit).

**What are the comparison bars' values and labels?**

The values and labels are 14 inches (Kate) and 23 inches (Mary).

**What does the Line of Equality tell us about the two bars?**

Up until the line of equality both bars are equal in value. The value of Mary's jump, 23 inches, can be decomposed into the distance that is equal to Kates jump and the farther distance that Mary jumped than Kate.

*This story comes from the NC 2nd Grade Unpacking Document pg 21.  
<https://tools4ncteachers.com/resources/district-leaders/documents/2017-2nd-unpacking-view.pdf>*